

MISSOURI SPECIES AND COMMUNITIES* OF CONSERVATION CONCERN



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Checklist



King rail

JANUARY 2017

* Terrestrial Natural Communities. Does not include aquatic, geologic or cave communities.

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NOTICE: Please submit reports of all sightings of species and natural communities listed in this checklist on the forms provided in the back of this checklist. Special criteria apply to birds and reports should follow the guidelines listed in Appendix A.

INTRODUCTION

The Missouri Department of Conservation (MDC) is charged with the protection and management of Missouri's fish, forest, and wildlife resources. In the brief time since the settlement of Missouri, many plants and animals have declined to levels of concern and some have disappeared entirely. The species cataloged in this checklist represent 18 percent of the native vascular plants, 14 percent of the nonvascular plants, 28 percent of the vertebrate animals, and an unknown percentage of the native invertebrate species in Missouri. Together, the animals, plants, and natural communities represent Missouri's biological diversity—a natural heritage worth protecting.

The Department maintains two references relating to the status of listed plants and animals in Missouri: the *Missouri Species and Communities of Conservation Concern Checklist (Checklist)* and the *Wildlife Code of Missouri (Code)*. The *Checklist* is used mainly for planning and communication purposes. All native animal species in the State of Missouri are protected as biological diversity elements unless a method of legal harvest, harm or take is described in the *Code*. All native plant species in the State of Missouri are protected as biological diversity elements only on land owned by the Missouri Department of Conservation. Species listed in the *Code* under 3 CSR 10-4.111 and all federally listed endangered and threatened plants and animals protected by the Endangered Species Act of 1973 (ESA) are protected by the State Endangered Species Law 252.240. Some additional plants and animals in this *Checklist* also appear in the *Code* and are afforded special legal protection.

How to use the checklist

The checklist, developed with the cooperation of specialists throughout the state, is a list of plants, animals, and natural communities that MDC is particularly concerned about due to population declines or apparent vulnerability. The global and state ranks show the level of concern for each Element's continued existence throughout its range and in Missouri, respectively. Global ranks are completed by the Natural Heritage/Conservation Data Center personnel and/or NatureServe.

The Global and State Ranking System methodology was developed and provided by The Nature Conservancy, Conservation Science Division, in association with the Network of Natural Heritage Programs and Conservation Data Centers. NatureServe 2005. NatureServe Central Databases. Arlington, Virginia. U.S.A.

The checklist is arranged by broad taxonomic groups (e.g., terrestrial natural communities, flowering plants, insects, fish, and mammals). Within each group, species are arranged alphabetically by their scientific names and terrestrial natural communities by community type. Each Element is identified by its scientific name, common name, state rank, global rank, state status, and federal status.

TERMS AND DEFINITIONS

FEDERAL STATUS

The federal status is derived from the provisions of the Endangered Species Act of 1973, as amended, which is administered by the U.S. Fish and Wildlife Service (USFWS). Passage of the Endangered Species Act of 1973 gave the United States one of the most far-reaching laws ever enacted by any country to prevent the extinction of imperiled animals and plants. Protecting endangered and threatened species and restoring them to the point where their existence is no longer jeopardized is the primary objective of the USFWS Endangered Species Program.

E: Endangered: Any species which is in danger of extinction throughout all or a significant portion of its range.

T: Threatened: Any species which is likely to become endangered within the foreseeable future.

C: Candidate: Plants or animals which USFWS is reviewing for possible addition to the list of endangered and threatened species.

PE: Proposed Endangered: Species officially proposed for listing as endangered; final ruling not yet made.

PT: Proposed Threatened: Species officially proposed for listing as threatened; final ruling not yet made.

SAT: Threatened due to similarity of appearance: Species is listed for its protection due to similarity of appearance with another listed species. Species listed as SAT are not biologically threatened.

STATE STATUS

Rule 3CSR10-4.111 of the *Wildlife Code of Missouri* and certain state statutes apply to state *Code-listed* species.

E: Endangered: Determined by MDC under constitutional authority.

GLOBAL RANK

A numeric rank (G1 through G5) of relative imperilment based on standard rank factors:

- the estimated number of Element Occurrences (EOs) throughout the Element's global, national, or subnational range;
- the estimated numbers of those EO with good viability;
- the estimated abundance of the Element (measured in terms of population for species Elements as well as occupied area or linear distance for both species and communities);
- the estimated size of the Element's range;
- the short- and long-term trends in the Element's distribution over its range;
- the estimated number of adequately protected EOs throughout the Element's range globally, nationally, or subnationally;
- the scope, severity, and immediacy of threats to the Element;
- the vulnerability of the Element to intrusion;
- the specificity of the Element's environmental requirements.

GLOBAL RANK (Cont.)

G1: Critically Imperiled: At very high risk of extinction or elimination due to extreme rarity, very steep declines, or other factors.

G2: Imperiled: At high risk of extinction or elimination due to very restricted range, very few populations or occurrences, steep declines, or other factors.

G3: Vulnerable: At moderate risk of extinction or elimination due to a restricted range, relatively few populations or occurrences, recent and widespread declines, or other factors.

G4: Apparently Secure: Uncommon but not rare; some cause for long-term concern due to declines or other factors.

G5: Secure: Common; widespread and abundant.

G#G#: Range Rank: A numeric range rank (e.g., G2G3) is used to indicate uncertainty about the exact status of a taxon. Ranges cannot skip more than two ranks (e.g., GU should be used rather than G1G4).

GU: Unrankable: Currently unrankable due to lack of information or due to substantially conflicting information about status or trends. Note: Whenever possible (when the range of uncertainty is three consecutive ranks or less), a range rank (e.g., G2G3) should be used to delineate the limits (range) of uncertainty.

GNR: Unranked: Global rank not yet assessed.

GH: Possibly Extinct: Known from only historical occurrences but still some hope of rediscovery. There is evidence that the species may be extinct but not enough to state this with certainty. Examples of such evidence include (1) that a species has not been documented in approximately 20-40 years despite some searching or some evidence of significant habitat loss or degradation; (2) that a species has been searched for unsuccessfully, but not thoroughly enough to presume that it is extinct.

GX: Presumed Extinct: Not located despite intensive searches and virtually no likelihood of rediscovery.

SUBRANK:

T#: **Infraspecific Taxon (binomial):** Rank applies to a subspecies or variety. Rules for assigning T-ranks follow the same principles outlined above.

QUALIFIERS:

?: **Inexact Numeric Rank:** Denotes inexact numeric rank; it is not used in combination with range ranks, GH, or GX.

Q: Questionable Taxonomy: Distinctiveness of this entity as a taxon at the current level is questionable; resolution of this uncertainty may result in change from a species to a subspecies or hybrid, inclusion of this taxon in another taxon, with the resulting taxon having a lower-priority (numerically higher) conservation status rank.

STATE RANK

Assigning national and subnational conservation status ranks for species and ecosystems (ecological communities and systems) follows the same general principles as used in assigning global status ranks. Subnational ranks are assigned and maintained by the Missouri Natural Heritage Program (MONHP).

S1: Critically Imperiled: Critically imperiled in the state because of extreme rarity or because of some factor(s) such as very steep declines making it especially vulnerable to extirpation from the state.

S2: Imperiled: Imperiled in the state because of rarity due to very restricted range, very few populations or occurrences, steep declines, or other factors making it very vulnerable to extirpation from the state.

S3: Vulnerable: Vulnerable in the state due to a restricted range, relatively few populations or occurrences, recent and widespread declines, or other factors making it vulnerable to extirpation.

S4: Apparently Secure: Uncommon but not rare; some cause for long-term concern due to declines or other factors.

S5: Secure: Common, widespread, and abundant in the state.

S#S#: Range Rank: A numeric range rank (e.g., S2S3) is used to indicate any range of uncertainty about the status of the species. Ranges cannot skip more than two ranks (e.g., SU is used rather than S1S4).

SU: Unrankable: Currently unrankable due to lack of information or due to substantially conflicting information about status or trends.

S?: Unranked: State rank not yet assessed.

SE: Exotic: An exotic established in the state; may be native in nearby regions (e.g., house finch or catalpa in eastern U.S.).

SA: Accidental: Accidental or casual in the state, in other words, infrequent and outside its usual range. Includes species (usually birds or butterflies) recorded once or only a few times at a location. A few of these species may have bred on the one or two occasions they were recorded. Examples include European strays or western birds on the East Coast and vice-versa.

SP: Potential: Potential that the species occurs in the state, but no extant or historic occurrences are accepted.

SR: Reported: Species reported in the state but without a basis for either accepting or rejecting the report, or the report not yet reviewed locally. Some of these are very recent discoveries for which the Program has not yet received first-hand information; others are old, obscure reports.

SRF: Reported Falsey: Species erroneously reported in the state and the error has persisted in the literature.

STATE RANK (Cont.)

SH: Possibly Extirpated: Known from only historical records but still some hope of rediscovery. There is evidence that the species may no longer be present in the state, but not enough to state this with certainty. Examples of such evidence include (1) that a species has not been documented in approximately 20-40 years despite some searching or some evidence of significant habitat loss or degradation; (2) that a species has been searched for unsuccessfully, but not thoroughly enough to presume that it is no longer present in the state.

SX: Presumed Extirpated: Species is believed to be extirpated from the state. Not located despite intensive searches of historical sites and other appropriate habitat, and virtually no likelihood that it will be rediscovered.

QUALIFIERS:

?: Inexact or Uncertain: Denotes inexact or uncertain rank; this should not be used with range ranks, SH, or SX.

SPECIES CHANGES

STATUS CHANGES

MOLLUSKS

Alasmidonta viridis (Slippershell Mussel) will be formally recognized as State Endangered species on March 1, 2017.

Cumberlandia monodonta (Spectaclecase) will be formally recognized as State Endangered species on March 1, 2017.

Lampsilis rafinesqueana (Neosho Mucket) will be formally recognized as State Endangered species on March 1, 2017.

Quadrula cylindrica cylindrica (Rabbitsfoot) will be formally recognized as State Endangered species on March 1, 2017.

Simpsonaias ambigua (Salamander Mussel) will be formally recognized as State Endangered species on March 1, 2017.

REPTILES

Sistrurus catenatus (Eastern Massasauga) from federal Candidate to federal Threatened. Federal listing was warranted for this species due to information provided on decline and threats.

MAMMALS

Myotis septentrionalis (Northern Long-eared Myotis) from S3 to S2 due to continued declines resulting from impacts of White-nose Syndrome which have led to a federal listing as Threatened and will be formally recognized as State Endangered species on March 1, 2017.

ADDITIONS

CRUSTACEANS

Orconectes medius (Saddleback Crayfish) as S3?. *O. medius* is endemic to the Meramec River drainage (MRD) of Missouri. Multiple sampling efforts over many years have documented it from only 22 streams. A 1998 conservation analysis recommended placing it on the *Rare and Endangered Species of Missouri Checklist* (predecessor to *Missouri Species and Communities of Conservation Concern Checklist*) as a “Watch List” species (species that “may soon become rare or endangered”) due to its narrow range near the quickly-developing St. Louis metropolitan area. Water quality and instream physical habitat of the Big River subdrainage (of the MRD) are significantly degraded by mining activities, impacting crayfish populations for 60 river km. No ecological research on *O. medius* has occurred, so we know little about its ecology.

MAMMALS

Myotis lucifugus (Little Brown Myotis) as S3. Once common across the state, the Little Brown Myotis has declined dramatically across the eastern part of its range, including Missouri, resulting from impacts of White-nose Syndrome.

TAXONOMIC CHANGES

INSECTS

Stenonema bednariki to *Maccaffertium bednariki* due to taxonomic revision.

BIRDS

Grus canadensis to *Antigone Canadensis* due to taxonomic revision.

TERRESTRIAL NATURAL COMMUNITIES

In addition to lichens, plants, and animals, the MONHP tracks occurrences of high quality natural communities. Terrestrial natural communities are interrelated assemblages of plants, animals, and other living organisms incorporated into their physical surroundings- including geologic substrate, soils, topography and aspect- that are shaped by climate and other natural processes. High quality sites are ones that provide diverse assemblages of native species and represent the least distressed examples of ecosystems that existed in Missouri prior to European settlement. These natural communities frequently provide the habitat necessary for Missouri's listed lichens, plants, and animals. Examples of high-quality aquatic natural communities are included in the MONHP, although SRANKS have not been assigned to individual aquatic natural community types. Because MDC tracks occurrences of high quality natural communities, we encourage the submission of site information on natural communities as we do for species listed in this Checklist.

State ranks are assigned to natural communities using criteria that are similar to species SRANKS. (Criteria include total number of occurrences, number of occurrences by grade [A-D], total acres, number of counties in which the community type occurs, number of protected occurrences, and threats.) Global ranks are not applied to communities due to the difficulty in reconciling Missouri's classification system with larger scale classifications.

Natural community types have been classified using *The Terrestrial Natural Communities of Missouri* (Nelson, 2005). This classification system was developed to accomplish an inventory of the state's natural communities, prioritized by quality, size and distribution, to help meet land protection goals. The terrestrial natural communities tracked in MONHP (high-quality examples) are listed below with their SRANKs by major community type.

COMMUNITY TYPE

| FOREST | <u>SRANK</u> |
|-------------------------------------|---------------------|
| Dry-Mesic Loess/Glacial Till Forest | S3 |
| Mesic Loess/Glacial Till Forest | S3 |
| Dry-Mesic Limestone/Dolomite Forest | S3 |
| Mesic Limestone/Dolomite Forest | S3 |
| Dry-Mesic Chert Forest | S4 |
| Dry-Mesic Sandstone Forest | S3 |
| Mesic Sandstone Forest | S2 |
| Dry-Mesic Sand Forest | S1 |
| Mesic Sand Forest | S1 |
| Dry-Mesic Igneous Forest | S4 |
| Dry-Mesic Bottomland Forest | S3 |
| Mesic Bottomland Forest | S2 |
| Wet-Mesic Bottomland Forest | S2 |
| Wet Bottomland Forest | S3 |
| Riverfront Forest | S4 |
| Total Forest Types: | 15 |

| WOODLAND | <u>SRANK</u> |
|---------------------------------------|---------------------|
| Dry Loess/Glacial Till Woodland | S3 |
| Dry-Mesic Loess/Glacial Till Woodland | S3 |
| Dry Limestone/Dolomite Woodland | S3 |
| Dry-Mesic Limestone/Dolomite Woodland | S3 |
| Dry Chert Woodland | S4 |
| Dry-Mesic Chert Woodland | S4 |
| Dry Sandstone Woodland | S3 |
| Dry-Mesic Sandstone Woodland | S3 |
| Dry Sand Woodland | S1 |
| Dry-Mesic Sand Woodland | S2 |
| Dry Igneous Woodland | S4 |
| Dry-Mesic Igneous Woodland | S4 |
| Upland Flatwoods | S2 |
| Bottomland Flatwoods | S1 |
| Sinkhole Flatwoods | S2 |
| Dry-Mesic Bottomland Woodland | S2 |
| Mesic Bottomland Woodland | SH |
| Wet-Mesic Bottomland Woodland | S1 |
| Total Woodland Types: | 18 |

| SAVANNA | <u>SRANK</u> |
|--------------------------------------|---------------------|
| Dry-Mesic Loess/Glacial Till Savanna | S1 |
| Mesic Loess/Glacial Till Savanna | SH |
| Limestone/Dolomite Savanna | SH |
| Chert Savanna | SH |
| Sandstone/Shale Savanna | SH |
| Sand Savanna | S1 |
| Total Savanna Types: | 6 |

| PRAIRIE | <u>SRANK</u> |
|--------------------------------------|---------------------|
| Dry Loess/Glacial Till Prairie | S2 |
| Dry-Mesic Loess/Glacial Till Prairie | S1 |
| Mesic Loess/Glacial Till Prairie | S1 |
| Dry Limestone/Dolomite Prairie | S2 |
| Dry-Mesic Limestone/Dolomite Prairie | S2 |
| Dry-Mesic Chert Prairie | S3 |
| Dry-Mesic Sandstone/Shale Prairie | S3 |
| Sand Prairie | S1 |
| Prairie Swale | S2 |
| Hardpan Prairie | S2 |
| Wet-Mesic Bottomland Prairie | S1 |
| Wet Bottomland Prairie | S1 |
| Total Prairie Types: | 12 |

| GLADE | <u>SRANK</u> |
|---------------------------|---------------------|
| Limestone Glade | S2 |
| Dolomite Glade | S3 |
| Chert Glade | S2 |
| Sandstone Glade | S2 |
| Igneous Glade | S3 |
| Total Glade Types: | 5 |

| CLIFF/TALUS | <u>SRANK</u> |
|---------------------------------|---------------------|
| Dry Limestone/Dolomite Cliff | S5 |
| Moist Limestone/Dolomite Cliff | S4 |
| Dry Sandstone Cliff | S4 |
| Moist Sandstone Cliff | S3 |
| Dry Chert Cliff | S3 |
| Moist Chert Cliff | S2 |
| Dry Igneous Cliff | S4 |
| Moist Igneous Cliff | S4 |
| Unconsolidated Bluff | S3 |
| Limestone/Dolomite Talus | S4 |
| Igneous Talus | S4 |
| Total Cliff/Talus Types: | 11 |

| STREAM EDGE | <u>SRANK</u> |
|---------------------------------|---------------------|
| Sand Bar | S3 |
| Gravel Wash | S3 |
| Stream Bank/River Bank | S2 |
| Total Stream Edge Types: | 3 |

| WETLAND | <u>SRANK</u> |
|-----------------------------|---------------------|
| Marsh | S2 |
| Shrub Swamp | S2 |
| Swamp | S1 |
| Pond Marsh | S1 |
| Pond Shrub Swamp | S2 |
| Pond Swamp | S1 |
| Ozark Fen | S2 |
| Prairie Fen | S2 |
| Forested Fen | S2 |
| Glacial Fen | S1 |
| Acid Seep | S2 |
| Saline Seep | S1 |
| Limestone/Dolomite Spring | S3 |
| Total Wetland Types: | 13 |

| CAVE | <u>SRANK</u> |
|---|---------------------|
| Aquatic Cave | S4 |
| Terrestrial Cave | S4 |
| Total Cave Types: | 2 |
| Total Terrestrial Natural Communities: | 85 |

THREATENED AND ENDANGERED SPECIES IN MISSOURI

| <u>SCIENTIFIC NAME</u> | <u>COMMON NAME</u> | <u>STATE¹ STATUS</u> | <u>FEDERAL² STATUS</u> |
|---------------------------------------|---|---------------------------------|-----------------------------------|
| PLANTS | | | |
| <i>Asclepias meadii</i> | Mead's Milkweed | Endangered | Threatened |
| <i>Boltonia decurrens</i> | Decurrent False Aster | Endangered | Threatened |
| <i>Geocarpon minimum</i> | Geocarpon | Endangered | Threatened |
| <i>Helenium virginicum</i> | Virginia Sneezeweed | Endangered | Threatened |
| <i>Isotria medeoloides</i> | Small Whorled Pogonia ³ | Endangered | Threatened |
| <i>Lindera melissifolia</i> | Pondberry | Endangered | Endangered |
| <i>Physaria filiformis</i> | Missouri Bladder-pod | Endangered | Threatened |
| <i>Platanthera leucophaea</i> | Eastern Prairie Fringed Orchid ³ | Endangered | Threatened |
| <i>Platanthera praeclara</i> | Western Prairie Fringed Orchid | Endangered | Threatened |
| <i>Trifolium stoloniferum</i> | Running Buffalo Clover | Endangered | Endangered |
| MOLLUSKS | | | |
| <i>Alasmidonta viridis</i> | Slippershell Mussel | Endangered ⁴ | |
| <i>Antrobia culveri</i> | Tumbling Creek Cavesnail | Endangered ⁴ | Endangered |
| <i>Cumberlandia monodonta</i> | Spectaclecase | Endangered ⁴ | Endangered |
| <i>Elliptio crassidens</i> | Elephantear | Endangered | |
| <i>Epioblasma florentina curtisii</i> | Curtis Pearlymussel | Endangered | Endangered |
| <i>Epioblasma triquetra</i> | Snuffbox | Endangered | Endangered |
| <i>Fusconaia ebena</i> | Ebonyshell | Endangered | |
| <i>Lampsilis abrupta</i> | Pink Mucket | Endangered | Endangered |
| <i>Lampsilis higginsii</i> | Higgins Eye | Endangered | Endangered |
| <i>Lampsilis rafinesqueana</i> | Neosho Mucket | Endangered ⁴ | Endangered |
| <i>Leptodea leptodon</i> | Scaleshell | Endangered | Endangered |
| <i>Plethobasus cyphyus</i> | Sheepnose | Endangered | Endangered |
| <i>Potamilus capax</i> | Fat Pocketbook | Endangered | Endangered |
| <i>Quadrula fragosa</i> | Winged Mapleleaf | Endangered ⁴ | Endangered |
| <i>Quadrula cylindrica cylindrica</i> | Rabbitsfoot | Endangered ⁴ | Threatened |
| <i>Simpsonaias ambigua</i> | Salamander Mussel | Endangered ⁴ | |
| CRUSTACEANS | | | |
| <i>Cambarus aculabrum</i> | Cave Crayfish | | Endangered |
| INSECTS | | | |
| <i>Nicrophorus americanus</i> | American Burying Beetle ³ | Endangered | Endangered |
| <i>Somatochlora hineana</i> | Hine's Emerald | Endangered | Endangered |
| FISH | | | |
| <i>Acipenser fulvescens</i> | Lake Sturgeon | Endangered | |
| <i>Ambloplitis rosae</i> | Ozark Cavefish | Endangered | Threatened |
| <i>Cottus specus</i> | Grotto Sculpin | | Endangered |
| <i>Crystallaria asprella</i> | Crystal Darter | | |
| <i>Etheostoma cragini</i> | Arkansas Darter | Endangered | Candidate |
| <i>Etheostoma fusiforme</i> | Swamp Darter | Endangered | |
| <i>Etheostoma histrio</i> | Harlequin Darter | Endangered | |
| <i>Etheostoma nianguae</i> | Niangua Darter | Endangered | Threatened |
| <i>Etheostoma parvipinne</i> | Goldstripe Darter | Endangered | |
| <i>Etheostoma whipplei</i> | Redfin Darter | Endangered | |
| <i>Forbesichthys agassizii</i> | Spring Cavefish | Endangered | |
| <i>Hybognathus hayi</i> | Cypress Minnow | Endangered | |
| <i>Notropis maculatus</i> | Taillight Shiner | Endangered | |
| <i>Notropis sabinae</i> | Sabine Shiner | Endangered | |
| <i>Notropis topeka</i> | Topeka Shiner | Endangered | Endangered |
| <i>Noturus eleutherus</i> | Mountain Madtom | Endangered | |
| <i>Noturus placidus</i> | Neosho Madtom | Endangered | Threatened |
| <i>Percina nasuta</i> | Longnose Darter | Endangered | |

THREATENED AND ENDANGERED SPECIES IN MISSOURI (Cont.)

| <u>SCIENTIFIC NAME</u> | <u>COMMON NAME</u> | <u>STATE¹ STATUS</u> | <u>FEDERAL² STATUS</u> |
|--|---|---------------------------------|-----------------------------------|
| FISH (Cont.) | | | |
| <i>Platygobio gracilis</i> | Flathead Chub | Endangered | |
| <i>Scaphirhynchus albus</i> | Pallid Sturgeon | Endangered | Endangered |
| <i>Scaphirhynchus platorynchus</i> | Shovelnose Sturgeon | | Threatened/SA |
| <i>Umbratilis</i> | Central Mudminnow | Endangered | |
| AMPHIBIANS | | | |
| <i>Cryptobranchus a. alleganiensis</i> | Eastern Hellbender | Endangered | |
| <i>Cryptobranchus a. bishopi</i> | Ozark Hellbender | Endangered | Endangered |
| REPTILES | | | |
| <i>Deirochelys reticularia miaria</i> | Western Chicken Turtle | Endangered | |
| <i>Emydoidea blandingii</i> | Blanding's Turtle | Endangered | |
| <i>Kinosternon flavescens</i> | Yellow Mud Turtle | Endangered | |
| <i>Nerodia cyclopion</i> | Mississippi Green Watersnake ³ | Endangered | |
| <i>Sistrurus catenatus</i> | Eastern Massasauga ³ | Endangered | |
| <i>Sistrurus tergeminus tergeminus</i> | Prairie Massasauga | Endangered | Threatened |
| BIRDS | | | |
| <i>Botaurus lentiginosus</i> | American Bittern | Endangered | |
| <i>Circus cyaneus</i> | Northern Harrier | Endangered | |
| <i>Egretta thula</i> | Snowy Egret | Endangered | |
| <i>Falco peregrinus</i> | Peregrine Falcon | Endangered | |
| <i>Limnothlypis swainsonii</i> | Swainson's Warbler | Endangered | |
| <i>Peacaea aestivalis</i> | Bachman's Sparrow | Endangered | |
| <i>Rallus elegans</i> | King Rail | Endangered | |
| <i>Sterna antillarum athalassos</i> | Interior Least Tern | Endangered | |
| <i>Tympanuchus cupido</i> | Greater Prairie-chicken | Endangered | Endangered |
| MAMMALS | | | |
| <i>Canis lupus</i> | Gray Wolf ³ | | Endangered |
| <i>Canis rufus</i> | Red Wolf ³ | | Endangered |
| <i>Corynorhinus townsendii ingens</i> | Ozark Big-eared Bat ³ | Endangered | Endangered |
| <i>Lepus californicus</i> | Black-tailed Jackrabbit | Endangered | |
| <i>Myotis griseescens</i> | Gray Myotis | Endangered | Endangered |
| <i>Myotis septentrionalis</i> | Northern Long-eared Myotis | Endangered ⁴ | Threatened |
| <i>Myotis sodalis</i> | Indiana Myotis | Endangered | Endangered |
| <i>Spilogale putorius interrupta</i> | Plains Spotted Skunk | Endangered | |

¹ Listed in the Wildlife Code of Missouri, Rule 3 CSR10-4.111 Endangered Species.

² Federally Listed Species under the Endangered Species Act (ESA) of 1973 as Amended:

Endangered = Any species that is in danger of extinction throughout all or a significant portion of its range.

Threatened = Any species that is likely to become endangered within the foreseeable future.

Candidate = Plants or animals that the U.S. Fish & Wildlife Service is reviewing for possible addition to the list of Endangered and Threatened species.

Proposed = Any species proposed for listing as Threatened or Endangered by the U.S. Fish & Wildlife Service.

Threatened/SA = Any species listed Threatened due to Similarity of Appearance by the U.S. Fish & Wildlife Service.

³ Considered extirpated, historical or accidental occurrence in Missouri.

⁴ Will be formally recognized as State Endangered species on March 1, 2017.

SPECIES AND STATUSES

| <u>SCIENTIFIC NAME</u> | <u>COMMON NAME</u> | <u>S RANK</u> | <u>G RANK</u> | <u>STATE STATUS</u> | <u>FEDERAL STATUS</u> |
|---|----------------------|---------------|---------------|---------------------|-----------------------|
| LICHENS | | | | | |
| <i>Cladonia cervicornis</i> ssp. <i>verticillata</i> | A Lichen | S? | G5TNR | | |
| <i>Cladonia leporina</i> | A Lichen | S2 | G4G5 | | |
| <i>Coenogonium missouriense</i> | Missouri Cave Lichen | SH | GH | | |
| <i>Collema nigrescens</i> | A Lichen | SU | G5? | | |
| <i>Dendriscocaulon intricatum</i> | A Lichen | S? | GUQ | | |
| <i>Dermatocarpon moulinii</i> | A Lichen | S1 | GNR | | |
| <i>Dibaeis absoluta</i> | A Lichen | S1 | G4 | | |
| <i>Flavoparmelia rutidota</i> | A Lichen | S? | G4G5 | | |
| <i>Graphina sophisticascens</i> | A Lichen | SH | GNR | | |
| <i>Imshaugia aleurites</i> | A Lichen | S? | G5 | | |
| <i>Lecidea lurida</i> | A Lichen | SU | GNR | | |
| <i>Pannaria rubiginosa</i> | A Lichen | S1 | G4G5 | | |
| <i>Parmelia squarrosa</i> | A Lichen | S? | G5 | | |
| <i>Parmelina horrescens</i> | A Lichen | S1 | G5 | | |
| <i>Parmotrema hypoleucinum</i> | A Lichen | S1 | G4G5 | | |
| <i>Parmotrema madagascariaceum</i> | A Lichen | S? | G3G5 | | |
| <i>Parmotrema tinctorum</i> | A Lichen | S2 | G5? | | |
| <i>Pseudocyphellaria aurata</i> | A Lichen | S1 | G3G5 | | |
| <i>Psora icterica</i> | A Lichen | S1 | G5? | | |
| <i>Pycnothelia papillaria</i> | A Lichen | S1 | G3G5 | | |
| <i>Ramalina intermedia</i> | A Lichen | S1 | G4G5 | | |
| <i>Rimelia subisidiosa</i> | A Lichen | S1 | G4G5 | | |
| <i>Tuckermannopsis ciliaris</i> | A Lichen | S? | G3G5 | | |
| <i>Usnea angulata</i> | A Lichen | S1 | G3G5 | | |
| <i>Xanthoparmelia australasica</i> | A Lichen | S1 | G5 | | |
| Total Lichen Records: 25 | | | | | |

LIVERWORTS AND HORNWORTS

| | | | |
|--|-------------------|----|-------|
| <i>Aneura maxima</i> | A Liverwort | S1 | G4? |
| <i>Anthoceros agrestis</i> | A Hornwort | S2 | G4G5 |
| <i>Bazzania trilobata</i> var. <i>depauperata</i> | A Liverwort | S1 | G5TUQ |
| <i>Bazzania trilobata</i> var. <i>trilobata</i> | A Liverwort | S1 | G5TUQ |
| <i>Calypogeia muelleriana</i> ssp. <i>muelleriana</i> | A Liverwort | SU | G5T5 |
| <i>Calypogeia sullivantii</i> | A Leafy Liverwort | S1 | G4 |
| <i>Frullania kunzei</i> | A Liverwort | S1 | G4 |
| <i>Fuscocephaloziopsis catenulata</i> | A Liverwort | S2 | G5 |
| <i>Fuscocephaloziopsis connivens</i> | A Liverwort | S1 | G5 |
| <i>Jungemannia leiantha</i> | A Liverwort | S1 | G5 |
| <i>Kurzia setacea</i> | A Liverwort | S1 | G4G5 |
| <i>Kurzia sylvatica</i> | A Liverwort | S1 | G5 |
| <i>Leucolejeunea unciloba</i> | A Liverwort | S1 | G4G5 |
| <i>Marchantia polymorpha</i> ssp. <i>polymorpha</i> | A Liverwort | S1 | GNR |

| <u>SCIENTIFIC NAME</u> | <u>COMMON NAME</u> | <u>SRANK</u> | <u>GRANK</u> | <u>STATE STATUS</u> | <u>FEDERAL STATUS</u> |
|---|--------------------|--------------|--------------|---------------------|-----------------------|
| LIVERWORTS AND HORNWORTS (Cont.) | | | | | |
| <i>Marsupella sullivantii</i> | A Liverwort | S2 | G5 | | |
| <i>Metzgeria conjugata</i> | A Liverwort | S1 | G5 | | |
| <i>Metzgeria furcata</i> | A Liverwort | S2 | G5 | | |
| <i>Nardia lescurii</i> | A Liverwort | S1 | G3? | | |
| <i>Notothylas orbicularis</i> | A Hornwort | S1 | G5 | | |
| <i>Nowellia curvifolia</i> | A Liverwort | S2 | G5 | | |
| <i>Odontoschisma denudatum</i> | A Liverwort | S1 | G5 | | |
| <i>Oxymitra incrassata</i> | A Liverwort | S1 | GNR | | |
| <i>Phaeoceros oreganus</i> | A Hornwort | S1 | GNRQ | | |
| <i>Plagiochasma wrightii</i> | A Liverwort | SH | G3? | | |
| <i>Ptilidium pulcherrimum</i> | A Liverwort | S1 | G5 | | |
| <i>Radula australis</i> | A Liverwort | SR | G3G4 | | |
| <i>Rectolejeunea maxonii</i> | A Liverwort | S1 | G4 | | |
| <i>Riccardia multifida</i> | A Liverwort | S1 | G5 | | |
| <i>Riccardia palmata</i> | A Liverwort | S1 | G5 | | |
| <i>Riccia austini</i> | A Liverwort | S2 | G5 | | |
| <i>Riccia bifurca</i> | A Liverwort | SU | G5 | | |
| <i>Riccia cavernosa</i> | A Liverwort | S1 | G5 | | |
| <i>Riccia crystallina</i> | A Liverwort | SU | G4G5 | | |
| <i>Riccia frostii</i> | A Liverwort | S1 | G5 | | |
| <i>Riccia hirta</i> | A Liverwort | S2 | G5 | | |
| <i>Riccia macallisteri</i> | A Liverwort | S1 | G2G4 | | |
| <i>Riccia nigrella</i> | A Liverwort | SU | G4G5 | | |
| <i>Riccia ozarkiana</i> | A Liverwort | SH | G1G2 | | |
| <i>Riccia sorocarpa</i> | A Liverwort | S1 | G5 | | |
| <i>Riccia sullivantii</i> | A Liverwort | S? | G4Q | | |
| <i>Schistochilopsis incisa</i> | A Liverwort | S1 | G5 | | |
| Total Liverwort and Hornwort Records: 41 | | | | | |

MOSSES

| | | | |
|--|---------------|----|---------|
| <i>Acaulon muticum</i> var. <i>muticum</i> | A Moss | S1 | G4G5TNR |
| <i>Anacamptodon splachnoides</i> | Knothole Moss | S1 | G3G5 |
| <i>Anomobryum julaceum</i> | A Moss | S1 | G4G5 |
| <i>Archidium alternifolium</i> | A Moss | S1 | G4G5 |
| <i>Atrichum crispulum</i> | A Moss | S2 | GNR |
| <i>Atrichum crispum</i> | A Moss | S1 | G4? |
| <i>Atrichum cylindricum</i> | A Moss | S1 | G5 |
| <i>Brachelyma subulatum</i> | A Moss | S1 | G4G5 |
| <i>Brachythecium campestre</i> | A Moss | S1 | G4G5Q |
| <i>Brachythecium salebrosum</i> var. <i>salebrosum</i> | A Moss | SU | G5TNR |
| <i>Bruchia texana</i> | A Moss | SU | G3G5 |
| <i>Bryhnia novae-angliae</i> | A Moss | S1 | G5 |
| <i>Bryoxiphium norvegicum</i> | Sword Moss | S1 | G5? |
| <i>Calliergonella cuspidata</i> | A Moss | S1 | G5 |
| <i>Campylium protensum</i> | A Moss | S2 | G5T3T5 |
| <i>Campyloodiella stenocarpa</i> | A Moss | S1 | G5 |

| <u>SCIENTIFIC NAME</u> | <u>COMMON NAME</u> | <u>SRANK</u> | <u>GRANK</u> | <u>STATE STATUS</u> | <u>FEDERAL STATUS</u> |
|---|------------------------|--------------|--------------|---------------------|-----------------------|
| MOSSES (Cont.) | | | | | |
| <i>Campylopus tallulensis</i> | A Moss | S2 | G4 | | |
| <i>Codriophorus aciculare</i> | A Moss | S1 | G5 | | |
| <i>Dichelyma capillaceum</i> | A Moss | S1 | G5 | | |
| <i>Dicranella rufescens</i> | A Moss | S1 | G5? | | |
| <i>Dicranum polysetum</i> | A Moss | S1 | G5 | | |
| <i>Didymodon revolutus</i> | A Moss | S1 | G4 | | |
| <i>Didymodon rigidulus</i> var. <i>rigidulus</i> | A Moss | S1 | G5T4? | | |
| <i>Ditrichum rhynchostegium</i> | A Moss | S1 | G3G5 | | |
| <i>Drepanocladus aduncus</i> | A Moss | SU | G5 | | |
| <i>Drepanocladus polygamus</i> | A Moss | S1 | G5 | | |
| <i>Encalypta proceria</i> | Extinguisher Moss | S1 | G4G5 | | |
| <i>Entodon brevisetus</i> | A Moss | S1 | G4? | | |
| <i>Ephemerum crassinervium</i> var. <i>texanum</i> | A Moss | SU | G4T3? | | |
| <i>Ephemerum serratum</i> | A Moss | S1 | G4 | | |
| <i>Fissidens exilis</i> | Small Pocket Moss | S2 | G3G4 | | |
| <i>Forsstroemia producta</i> | A Moss | S1 | G5? | | |
| <i>Gemmabryum klinggraeffii</i> | A Moss | S1 | G4G5 | | |
| <i>Gemmabryum ruderale</i> | A Moss | S2 | G3G5 | | |
| <i>Gemmabryum subapiculatum</i> | A Moss | SX | G5? | | |
| <i>Grimmia olneyi</i> | A Moss | S2 | G3G5 | | |
| <i>Grimmia plagiopodia</i> | A Moss | S1 | G4G5 | | |
| <i>Gymnostomum calcareum</i> | A Moss | SU | G5? | | |
| <i>Herzogiella striatella</i> | A Moss | SU | G4G5 | | |
| <i>Homaliadelphus sharpii</i> | Sharp's Homaliadelphus | S1 | G3? | | |
| <i>Hypnum cupressiforme</i> var. <i>filiforme</i> | A Moss | S1 | G5TNR | | |
| <i>Hypnum lindbergii</i> | Lindberg's Hypnum Moss | SU | G5 | | |
| <i>Hypnum pallescens</i> | A Moss | S1 | G5 | | |
| <i>Hypnum pratense</i> | A Moss | S1 | G5 | | |
| <i>Imbribryum miniatum</i> | A Moss | S1 | G4G5 | | |
| <i>Isopterygiopsis muelleriana</i> | A Moss | S1 | G5 | | |
| <i>Jaffueliobryum raui</i> | A Moss | S2 | G4? | | |
| <i>Jaffueliobryum wrightii</i> | A Moss | S1 | G4G5 | | |
| <i>Leskea polycarpa</i> | A Moss | SU | G4G5 | | |
| <i>Micromitrium megalosporum</i> | A Moss | S1S2 | G4 | | |
| <i>Micromitrium synoicum</i> | A Moss | SU | G4 | | |
| <i>Micromitrium tenerum</i> | A Moss | S1 | G4G5 | | |
| <i>Mnium hornum</i> | A Moss | S1 | G5 | | |
| <i>Mnium thomsonii</i> | A Moss | S? | G5 | | |
| <i>Myurella sibirica</i> | A Moss | S2 | G4? | | |
| <i>Neckera besseri</i> | A Moss | S1 | G4G5 | | |
| <i>Orthotrichum anomalum</i> | A Moss | S? | G4G5 | | |
| <i>Orthotrichum diaphanum</i> | A Moss | S2 | G5 | | |
| <i>Orthotrichum elegans</i> | A Moss | S1 | G5 | | |
| <i>Orthotrichum lescurii</i> | A Moss | S1 | GNR | | |
| <i>Physcomitrium collenchymatum</i> | A Moss | S1 | G2G4 | | |

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|--|-----------------------|--------------|--------------|---------------------|-----------------------|
| MOSSES (Cont.) | | | | | |
| <i>Physcomitrium hookeri</i> | A Moss | SU | G2G4 | | |
| <i>Plagiomnium medium</i> | A Moss | SU | G5 | | |
| <i>Plagiothecium denticulatum</i> | A Moss | S1 | G5 | | |
| <i>Platylomella lescurii</i> | A Moss | S2 | G5 | | |
| <i>Pleuridium acuminatum</i> | A Moss | S2 | G3G5 | | |
| <i>Pleuridium sullivantii</i> | A Moss | S1 | G3G5 | | |
| <i>Pohlia annotina</i> | A Moss | S2 | G4G5 | | |
| <i>Polytrichastrum formosum</i> var. <i>densifolium</i> | A Moss | S1 | G5TNR | | |
| <i>Pseudocampylium radicale</i> | A Moss | S1 | G3G5 | | |
| <i>Pseudotaxiphyllum distichaceum</i> | A Moss | S1 | G4G5 | | |
| <i>Ptychomitrium serratum</i> | A Moss | S1 | G4? | | |
| <i>Ptychomitrium sinense</i> | A Moss | S1 | G4G5 | | |
| <i>Ptychostomum cernuum</i> | A Moss | S1 | G3G5 | | |
| <i>Ptychostomum cyclophyllum</i> | A Moss | S? | G4G5 | | |
| <i>Ptychostomum pallescens</i> | A Moss | SU | G5 | | |
| <i>Ptychostomum pendulum</i> | A Moss | S1 | G4G5 | | |
| <i>Pylaisia intricata</i> | A Moss | SU | G4 | | |
| <i>Pylaisiadelpha tenuirostris</i> | A Moss | S2 | G5? | | |
| <i>Pyramidula tetragona</i> | A Moss | S1 | G3G5 | | |
| <i>Rhabdoweisia crispata</i> | A Moss | S1 | G5 | | |
| <i>Rhytidium rugosum</i> | Golden Glade-moss | S1 | G5 | | |
| <i>Rosulabryum flaccidum</i> | A Moss | S2 | GNR | | |
| <i>Schistidium liliputianum</i> | A Moss | S1 | GNR | | |
| <i>Seligeria calcarea</i> | A Moss | S? | G4? | | |
| <i>Seligeria donniana</i> | A Moss | S1 | G4G5 | | |
| <i>Seligeria pusilla</i> | A Moss | S1 | G3G5 | | |
| <i>Sematophyllum marylandicum</i> | A Moss | S1 | G5 | | |
| <i>Sphagnum affine</i> | Sphagnum | S1 | G5 | | |
| <i>Sphagnum angustifolium</i> | Narrowleaf Peatmoss | S1 | G5 | | |
| <i>Sphagnum bartlettianum</i> | Sphagnum | S1 | G4G5 | | |
| <i>Sphagnum capillifolium</i> | Northern Peatmoss | S2 | G5 | | |
| <i>Sphagnum cuspidatum</i> | Sphagnum | S1 | G5 | | |
| <i>Sphagnum fallax</i> | Sphagnum | S1 | G5 | | |
| <i>Sphagnum fimbriatum</i> var. <i>fimbriatum</i> | Sphagnum | S1 | G5TNR | | |
| <i>Sphagnum henryense</i> | Sphagnum | S1 | G4? | | |
| <i>Sphagnum inundatum</i> | Sphagnum | S1 | G4 | | |
| <i>Sphagnum magellanicum</i> | Magellan's Peatmoss | S1 | G5 | | |
| <i>Sphagnum platyphyllum</i> | Sphagnum | SU | G5 | | |
| <i>Sphagnum recurvum</i> | Sphagnum | S1 | G5 | | |
| <i>Sphagnum russowii</i> | Sphagnum | S1 | G5 | | |
| <i>Sphagnum subtile</i> | Sphagnum | S2 | G5?Q | | |
| <i>Sphagnum trinitense</i> | Sphagnum | S1 | G4 | | |
| <i>Syntrichia papillosa</i> | A Moss | S2 | G5 | | |
| <i>Syrrhopodon texanus</i> | A Moss | S2 | G5 | | |
| <i>Thamnobryum alleghaniense</i> | A Moss | S1 | G5? | | |
| <i>Tortella fragilis</i> | Fragmented Screw-moss | SU | G5 | | |

| <u>SCIENTIFIC NAME</u> | <u>COMMON NAME</u> | <u>SRANK</u> | <u>GRANK</u> | <u>STATE STATUS</u> | <u>FEDERAL STATUS</u> |
|--|-------------------------------|--------------|--------------|---------------------|-----------------------|
| MOSSES (Cont.) | | | | | |
| <i>Tortella tortuosa</i> | Twisted Moss | SU | G5 | | |
| <i>Trematodon longicollis</i> | A Moss | S2 | G5 | | |
| <i>Trichostomum tenuirostre</i> var. <i>gemmiparum</i> | A Moss | S1 | G4TNR | | |
| <i>Ulota hutchinsiae</i> | Hutchins' Ulota Moss | S1 | G5 | | |
| <i>Weissia phascopsis</i> | A Pygmy Moss | S1 | G3G4 | | |
| <i>Zygodon apiculatus</i> | A Moss | S1 | GU | | |
| Total Moss Records: 113 | | | | | |
| FERNS AND FERN ALLIES | | | | | |
| <i>Asplenium bradleyi</i> | Bradley's Spleenwort | SU | G4 | | |
| <i>Asplenium montanum</i> | Mountain Spleenwort | SH | G5 | | |
| <i>Asplenium pinnatifidum</i> | Lobed Spleenwort | SU | G4 | | |
| <i>Asplenium trichomanes</i> ssp. <i>trichomanes</i> | Maidenhair Spleenwort | SU | G5T5 | | |
| <i>Azolla caroliniana</i> | Eastern Mosquito Fern | S1S3 | G5 | | |
| <i>Botrychium biternatum</i> | Few-lobed Grape Fern | S1 | G5 | | |
| <i>Cheilanthes alabamensis</i> | Alabama Lip-fern | S1 | G4G5 | | |
| <i>Cheilanthes tomentosa</i> | Woolly Lip-fern | S1 | G5 | | |
| <i>Cystopteris tenuis</i> | A Bladderfern | S1 | G5 | | |
| <i>Dennstaedtia punctilobula</i> | Hay-scented Fern | S2 | G5 | | |
| <i>Dryopteris carthusiana</i> | Spinulose Shield Fern | S2 | G5 | | |
| <i>Dryopteris celsa</i> | Log Fern | S1 | G4 | | |
| <i>Dryopteris cristata</i> | Crested Fern | S1 | G5 | | |
| <i>Dryopteris goldiana</i> | Goldie's Fern | S2 | G4G5 | | |
| <i>Dryopteris intermedia</i> | Evergreen Woodfern | S1 | G5 | | |
| <i>Huperzia porophila</i> | Fir Clubmoss | S2 | G4 | | |
| <i>Isoetes engelmannii</i> var. <i>engelmannii</i> | Engelmann's Quillwort | S1? | G4TNR | | |
| <i>Lycopodium dendroideum</i> | Round-branched Ground Pine | S1 | G5 | | |
| <i>Lycopodium tristachyum</i> | Ground Cedar | S1 | G5 | | |
| <i>Matteuccia struthiopteris</i> var. <i>pensylvanica</i> | Ostrich Fern | S2 | G5T5 | | |
| <i>Ophioglossum crotalophoroides</i> | Bulbous Adder's-tongue | SH | G5 | | |
| <i>Ophioglossum petiolatum</i> | Stalked Adder's-tongue | SX | G5 | | |
| <i>Pellaea glabella</i> var. <i>missouriensis</i> | Missouri Cliffbrake | S1S2 | G5T1T2 | | |
| <i>Pilularia americana</i> | American Pillwort | SU | G5 | | |
| <i>Pteridium aquilinum</i> var. <i>pseudocaudatum</i> | Bracken | SU | G5T5 | | |
| <i>Woodsia obtusa</i> ssp. <i>occidentalis</i> | Blunt-lobe Woodsia | S1 | G5T3T4 | | |
| <i>Woodwardia areolata</i> | Netted Chain Fern | S2 | G5 | | |
| Total Ferns and Fern Allies Records: 27 | | | | | |

| <u>SCIENTIFIC NAME</u> | <u>COMMON NAME</u> | <u>SRANK</u> | <u>GRANK</u> | <u>STATE STATUS</u> | <u>FEDERAL STATUS</u> |
|---|-------------------------------------|--------------|--------------|---------------------|-----------------------|
| FLOWERING PLANTS | | | | | |
| <i>Acalypha deamii</i> | Large Seeded Mercury | S1 | G4? | | |
| <i>Aconitum uncinatum</i> | Southern Monkshood | S1 | G4 | | |
| <i>Agalinis auriculata</i> | Auriculate False Foxglove | S3 | G3 | | |
| <i>Agalinis heterophylla</i> | Prairie False Foxglove | S1 | G4G5 | | |
| <i>Agalinis purpurea</i> | Purple False Foxglove | S2 | G5 | | |
| <i>Agalinis viridis</i> | Green False Foxglove | S1 | G4? | | |
| <i>Agastache scrophulariifolia</i> | Purple Giant-hyssop | S1 | G4 | | |
| <i>Agrimonia gryposepala</i> | Tall Agrimony | SU | G5 | | |
| <i>Allium burdickii</i> | Wild Leek | S2 | G4G5 | | |
| <i>Alopecurus aequalis</i> | Floating Foxtail Grass | S2 | G5 | | |
| <i>Amorpha nitens</i> | Shining False Indigo | S1 | G3? | | |
| <i>Amsonia ciliata</i> var. <i>filifolia</i> | Ciliate Blue Star | S2S3 | G5?T4? | | |
| <i>Anemone cylindrica</i> | Thimbleweed | S2 | G5 | | |
| <i>Anemone quinquefolia</i> var. <i>quinquefolia</i> | Wood Anemone | S1 | G5T5 | | |
| <i>Aralia nudicaulis</i> | Wild Sarsaparilla | S2 | G5 | | |
| <i>Aristida adscensionis</i> | Sixweeks Three-awn | SH | G5 | | |
| <i>Aristida desmantha</i> | Curly Three-awn | S2 | G5 | | |
| <i>Aristida lanosa</i> | Woollyleaf Three-awn | S1 | G5 | | |
| <i>Aristida ramosissima</i> | Slender Three-awn | SH | G5 | | |
| <i>Aronia melanocarpa</i> | Black Chokeberry | S1 | G5 | | |
| <i>Artemesia dracunculus</i> | A Wormwood | SH | G5 | | |
| <i>Asclepias exaltata</i> | Poke Milkweed | S1 | G5 | | |
| <i>Asclepias meadii</i> | Mead's Milkweed | S2 | G2 | E | T |
| <i>Asclepias speciosa</i> | Showy Milkweed | SA | G5 | | |
| <i>Astragalus lotiflorus</i> | Low Milk Vetch | S2 | G5 | | |
| <i>Astranthium ciliatum</i> | Western Daisy | S2 | G5T5 | | |
| <i>Baptisia sphaerocarpa</i> | Round-fruited Yellow Wild Indigo | SU | G4G5 | | |
| <i>Bartonia paniculata</i> ssp. <i>paniculata</i> | Screwstem | S1 | G5T5 | | |
| <i>Bartonia virginica</i> | Yellow Bartonia | S1 | G5 | | |
| <i>Berberis canadensis</i> | American Barberry | S1 | G3 | | |
| <i>Bergia texana</i> | Bergia | S2 | G5 | | |
| <i>Berula erecta</i> var. <i>incisa</i> | Cut-leaved Water-parsnip | S1 | G4G5T4T5 | | |
| <i>Bidens beckii</i> | Water Marigold | SU | G4G5 | | |
| <i>Bidens laevis</i> | A Beggar's Tick | S1 | G5 | | |
| <i>Bolboschoenus maritimus</i> ssp. <i>paludosus</i> | Bayonet Grass | S1 | G5T5 | | |
| <i>Boltonia decurrens</i> | Decurrent False Aster | S1 | G2 | E | T |
| <i>Bouteloua gracilis</i> | Blue Grama | S1 | G5 | | |
| <i>Bouteloua hirsuta</i> var. <i>hirsuta</i> | Hairy Grama | S2 | G5T5 | | |
| <i>Bromus latiglumis</i> | A Brome | S3 | G5 | | |
| <i>Buchloe dactyloides</i> | Buffalo Grass | SH | G4G5 | | |
| <i>Calamagrostis porteri</i> ssp. <i>insperata</i> | Oferhollow Reed Grass | S3 | G4T3 | | |
| <i>Calamagrostis stricta</i> ssp. <i>inxpansa</i> | Northern Reedgrass | S2S3 | G5T5 | | |

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| <i>Calamovilfa longifolia</i> var. <i>longifolia</i> | Long-leaved Reed Grass | SH | G5T5 | | |
| <i>Callicarpa americana</i> | French Mulberry | S1 | G5 | | |
| <i>Callirhoe bushii</i> | Bush's Poppy Mallow | S2 | G3 | | |
| <i>Callirhoe triangulata</i> | Clustered Poppy Mallow | SH | G3 | | |
| <i>Callitricha palustris</i> | Vernal Water Starwort | SU | G5 | | |
| <i>Calopogon oklahomensis</i> | Grass Pink Orchid | S2 | G3 | | |
| <i>Calopogon tuberosus</i> | Grass Pink Orchid | S2 | G5 | | |
| <i>Caltha palustris</i> | Marsh Marigold | S1 | G5 | | |
| <i>Campanula aparinoides</i> var. <i>aparinoides</i> | Marsh Bellflower | S1 | G5TNR | | |
| <i>Campanula rotundifolia</i> | Harebell | S1 | G5 | | |
| <i>Carex abscondita</i> | A Sedge | S1 | G4G5 | | |
| <i>Carex alata</i> | Broadwing Sedge | S2S3 | G5 | | |
| <i>Carex albicans</i> var. <i>australis</i> | Bellow Beaked Sedge | S1 | G5T5 | | |
| <i>Carex alboluteascens</i> | Greenish-white Sedge | S1S2 | G5 | | |
| <i>Carex aquatilis</i> var. <i>substricta</i> | A Sedge | S1 | G5TNR | | |
| <i>Carex atherodes</i> | Awned Sedge | S1 | G5 | | |
| <i>Carex atlantica</i> ssp. <i>atlantica</i> | A Sedge | S1 | G5T4 | | |
| <i>Carex atlantica</i> ssp. <i>capillacea</i> | Prickly Bog Sedge | S1 | G5T5? | | |
| <i>Carex bromoides</i> ssp. <i>bromoides</i> | A Sedge | S2 | G5T5 | | |
| <i>Carex buxbaumii</i> | Brown Bog Sedge | S2 | G5 | | |
| <i>Carex communis</i> var. <i>communis</i> | Fibrous-root Sedge | S2 | G5T5 | | |
| <i>Carex comosa</i> | Bristly Sedge | S2 | G5 | | |
| <i>Carex conoidea</i> | Field Sedge | S1 | G5 | | |
| <i>Carex cumberlandensis</i> | A Sedge | S1 | GNR | | |
| <i>Carex debilis</i> var. <i>debilis</i> | White-edge Sedge | S1 | G5T5 | | |
| <i>Carex decomposita</i> | Epiphytic Sedge | S3 | G3G4 | | |
| <i>Carex echinodes</i> | A Sedge | SH | G5TNR | | |
| <i>Carex fissa</i> var. <i>fissa</i> | A Sedge | S1 | G4?T3T4 | | |
| <i>Carex flaccosperma</i> | A Sedge | S2 | G5 | | |
| <i>Carex gigantea</i> | Giant Sedge | S1S2 | G4 | | |
| <i>Carex gracillima</i> | Graceful Sedge | S1 | G5 | | |
| <i>Carex inops</i> ssp. <i>heliophila</i> | Sun Sedge | SU | G5T5 | | |
| <i>Carex joorii</i> | Cypress-swamp Sedge | SH | G4G5 | | |
| <i>Carex lacustris</i> | Lake-bank Sedge | S2 | G5 | | |
| <i>Carex laxiculmis</i> var. <i>copulata</i> | A Sedge | SU | G5T3T5 | | |
| <i>Carex laxiculmis</i> var. <i>laxiculmis</i> | A Sedge | SU | G5T4T5 | | |
| <i>Carex laxiflora</i> var. <i>laxiflora</i> | A Carex | S1 | G5T5 | | |
| <i>Carex longii</i> | Greenish-white Sedge | S1 | G5 | | |
| <i>Carex microdonta</i> | A Sedge | S1 | G4 | | |
| <i>Carex molestiformis</i> | A Sedge | S2 | G4 | | |
| <i>Carex oxylepis</i> | Sharp-scale Sedge | S2 | G5? | | |
| <i>Carex prasina</i> | Drooping Sedge | S1 | G4 | | |
| <i>Carex reniformis</i> | Reniform Sedge | S1 | G4? | | |
| <i>Carex reznicekii</i> | A Sedge | S2? | G5 | | |
| <i>Carex sartwellii</i> | Sartwell's Sedge | S1 | G4G5 | | |
| <i>Carex scabrata</i> | Rough Sedge | SH | G5 | | |

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| <i>Carex socialis</i> | A Sedge | S2 | G4 | | |
| <i>Carex sprengelii</i> | Longbeak Sedge | S1 | G5 | | |
| <i>Carex sterilis</i> | A Sedge | S2 | G4 | | |
| <i>Carex straminea</i> | Straw Sedge | S1 | G5 | | |
| <i>Carex sychnocephala</i> | A Sedge | S1 | G4 | | |
| <i>Carex tetanica</i> | Rigid Sedge | S3 | G4G5 | | |
| <i>Carex tonsa</i> var. <i>rugosperma</i> | Shaved Sedge | S1 | G5T5 | | |
| <i>Carex tonsa</i> var. <i>tonsa</i> | Shaved Sedge | SH | G5T5 | | |
| <i>Carex triangularis</i> | Triangular Sedge | S2 | G5 | | |
| <i>Carex trichocarpa</i> | Hairy-fruited Sedge | S1 | G4 | | |
| <i>Carex vesicaria</i> var. <i>monile</i> | A Sedge | S2? | G5T4 | | |
| <i>Carex willdenowii</i> | Willdenow's Sedge | S1 | G5 | | |
| <i>Carex woodii</i> | A Sedge | S1 | G4 | | |
| <i>Carya pallida</i> | Sand Hickory | S2S3 | G5 | | |
| <i>Castanea pumila</i> var. <i>ozarkensis</i> | Ozark Chinquapin | S2 | G5T3 | | |
| <i>Castanea pumila</i> var. <i>pumila</i> | Chinquapin | SU | G5T5? | | |
| <i>Castilleja purpurea</i> var. <i>purpurea</i> | Purple Paintbrush | SH | G5T4? | | |
| <i>Castilleja sessiliflora</i> | Downy Painted Cup | S2 | G5 | | |
| <i>Cayaponia quinqueloba</i> | A Gourd | S1 | G4 | | |
| <i>Centaurea americana</i> | American basket flower | SH | G5 | | |
| <i>Centrosema virginianum</i> | Coastal Butterfly-pea | SH | G5 | | |
| <i>Ceratophyllum echinatum</i> | Coontail | S1? | G4? | | |
| <i>Chaetopappa asteroides</i> var. <i>asteroides</i> | Common Leastdaisy | S2S3 | G5T3T5 | | |
| <i>Chasmanthium laxum</i> ssp. <i>laxum</i> | Slender Spike Grass | S1 | G5T5 | | |
| <i>Chasmanthium laxum</i> ssp. <i>sessiliflorum</i> | A Spike Grass | SX | G5T5 | | |
| <i>Chelone obliqua</i> | Rose Turtlehead | S2 | G4 | | |
| <i>Chenopodium berlandieri</i> var. <i>boscianum</i> | Pitseed Goosefoot | SU | G5T3T5 | | |
| <i>Chenopodium strictum</i> var. <i>glaucocephalum</i> | A Goosefoot | SH | G5TU | | |
| <i>Cicuta maculata</i> var. <i>bolanderi</i> | Common Water Hemlock | SU | G5T3T4 | | |
| <i>Cirsium hillii</i> | Hill's Thistle | SU | G3 | | |
| <i>Cirsium undulatum</i> | Wavy-leaved Thistle | S1 | G5 | | |
| <i>Cissus trifoliata</i> | Marine Vine | S2 | G5 | | |
| <i>Cladium jamaicense</i> | Jamaica Swamp Sawgrass | S1 | G5T5 | | |
| <i>Clematis fremontii</i> | Fremont's Leather Flower | S3 | G5 | | |
| <i>Clematis viorna</i> | A Leatherflower | S1 | G5 | | |
| <i>Cleome serrulata</i> | Rocky Mountain Bee Plant | SH | G5 | | |
| <i>Coeloglossum viride</i> var. <i>virescens</i> | Long-bracted Orchid | S1 | G5T5 | | |
| <i>Coelorachis cylindrica</i> | Joint Grass | S1 | G4G5 | | |
| <i>Conyza canadensis</i> var. <i>pusilla</i> | Fleabane | S1S2 | G5T5 | | |
| <i>Corispermum americanum</i> | American Bugseed | SU | G5? | | |
| <i>Corispermum pallasii</i> | A Bugseed | SH | G4? | | |
| <i>Corispermum villosum</i> | Oriental Tick-seed | SU | G4? | | |
| <i>Corydalis aurea</i> ssp. <i>aurea</i> | Golden Corydalis | SU | G5T5 | | |

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| <i>Corydalis micrantha</i> ssp. <i>australis</i> | A Corydalis | S2 | G5T5? | | |
| <i>Crataegus berberifolia</i> var. <i>berberifolia</i> | Barberry-leaved Hawthorn | SU | GNR | | |
| <i>Crataegus collina</i> var. <i>lettermanii</i> | Hillside Hawthorn | SU | GNR | | |
| <i>Crataegus collina</i> var. <i>sordida</i> | Hillside Hawthorn | SU | GNR | | |
| <i>Crataegus fecunda</i> | St. Clair Hawthorn | SU | G3?Q | | |
| <i>Crataegus lanuginosa</i> | Woolly Hawthorn | SU | G3?Q | | |
| <i>Crataegus macrosperma</i> | Eastern Hawthorn | SU | G5 | | |
| <i>Crataegus margarettiae</i> var. <i>brownii</i> | Margaret's Hawthorn | SU | GNR | | |
| <i>Crataegus marshallii</i> | Parsley Haw | S1 | G5 | | |
| <i>Crataegus pruinosa</i> var. <i>magnifolia</i> | Frosty Hawthorn | SU | GNR | | |
| <i>Crataegus schuettei</i> | Royal Hawthorn | SU | G5? | | |
| <i>Crataegus spathulata</i> | A Hawthorn | S1 | G5 | | |
| <i>Crataegus spes-aestatum</i> | Summers Hawthorn | SU | GNR | | |
| <i>Crataegus succulenta</i> var. <i>succulenta</i> | Succulent Hawthorn | SU | G4G5TNR | | |
| <i>Crataegus texana</i> var. <i>dasyphylla</i> | Texas Red Hawthorn | SU | GNR | | |
| <i>Crataegus transmississippiensis</i> | A Hawthorn | SU | GNR | | |
| <i>Crataegus viridis</i> var. <i>nitens</i> | Green Hawthorn | SU | GNR | | |
| <i>Croton michauxii</i> | Narrowleaf Rushfoil | S1 | G5 | | |
| <i>Cuscuta obtusiflora</i> var. <i>glandulosa</i> | Peruvian Dodder | SU | G5T4T5 | | |
| <i>Cyclachaena xanthiifolia</i> | A Marsh Elder | S1 | G5 | | |
| <i>Cynosciadium digitatum</i> | Finger Dog-shade | S2 | G4G5 | | |
| <i>Cyperus compressus</i> | Coco Grass | S1 | G5 | | |
| <i>Cyperus croceus</i> | Baldwin's Cyperus | S1 | G5 | | |
| <i>Cyperus diandrus</i> | Umbrella Flatsedge | S1 | G5 | | |
| <i>Cyperus flavicomus</i> | An Umbrella Sedge | S1 | G5 | | |
| <i>Cyperus hystricinus</i> | Flatsedge | S1 | G4 | | |
| <i>Cyperus plukenetii</i> | Plukenet's Cyperus | S1 | G5 | | |
| <i>Cyperus retroflexus</i> | Umbrella Sedge | S1 | G5 | | |
| <i>Cyperus retrofractus</i> | Teasel-like Cyperus | S1S2 | G5 | | |
| <i>Cyperus retrorsus</i> | An umbrella sedge | SH | G5 | | |
| <i>Cyperus schweinitzii</i> | Schweinitz's Flatsedge | S3 | G5 | | |
| <i>Cyperus setigerus</i> | Bristled Cyperus | S1 | G3G5 | | |
| <i>Cypripedium candidum</i> | Small White Lady-slipper | S1 | G4 | | |
| <i>Cypripedium reginae</i> | Showy Lady-slipper | S2S3 | G4 | | |
| <i>Dalea enneandra</i> | Nine-anther Dalea | S2 | G5 | | |
| <i>Dalea gattingeri</i> | Gattinger Prairie-clover | S1 | G3G4 | | |
| <i>Dalea multiflora</i> | Round-headed Prairie Clover | SH | G5 | | |
| <i>Dalea villosa</i> var. <i>villosa</i> | Silky Prairie Clover | SU | G5T5 | | |
| <i>Decodon verticillatus</i> | Swamp Loosestrife | S1 | G5 | | |
| <i>Delphinium exaltatum</i> | Tall Larkspur | S2 | G3 | | |
| <i>Descurainia pinnata</i> ssp. <i>pinnata</i> | Tansy Mustard | S2S3 | G5T5 | | |
| <i>Desmodium ochroleucum</i> | Creamflower Tick Trefoil | SH | G1G2 | | |
| <i>Desmodium strictum</i> | Pineland Tick Trefoil | S1 | G4 | | |

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| <i>Desmodium viridiflorum</i> | Velvety Tick Trefoil | S1 | G5? | | |
| <i>Diarrhena americana</i> | American Beakgrain | S1 | G4G5 | | |
| <i>Dichondra carolinensis</i> | Pony-foot Grass | S1 | G5 | | |
| <i>Dirca decipiens</i> | Leatherwood | SU | G1G2 | | |
| <i>Distichlis spicata</i> var. <i>spicata</i> | Seashore Salt Grass | S1 | G5TNR | | |
| <i>Doellingeria umbellata</i> var. <i>pubens</i> | Flat-topped White Aster | S1 | G5T5 | | |
| <i>Echinacea angustifolia</i> | Narrow-leaved Coneflower | SH | G4 | | |
| <i>Echinochloa walteri</i> | A Barnyard Grass | S1 | G5 | | |
| <i>Elatine triandra</i> var. <i>americana</i> | Waterwort | SH | G4 | | |
| <i>Elatine triandra</i> | Waterwort | SH | G5 | | |
| <i>Eleocharis atropurpurea</i> | A Spike Rush | S1 | G4G5 | | |
| <i>Eleocharis equisetoides</i> | Horsetail Spike Rush | SH | G4 | | |
| <i>Eleocharis lanceolata</i> | Lance-like Spike Rush | S2 | G4G5 | | |
| <i>Eleocharis parvula</i> | Small Spike Rush | SU | G5 | | |
| <i>Elodea canadensis</i> | Broad Waterweed | SU | G5 | | |
| <i>Elymus churchii</i> | Church's Wildrye | S1 | G2G3 | | |
| <i>Elymus glaucus</i> | Blue Wild Rye | SU | G5 | | |
| <i>Epifagus virginiana</i> | Beech Drops | S2 | G5 | | |
| <i>Epilobium leptophyllum</i> | Willow Herb | S1 | G5 | | |
| <i>Eragrostis glomerata</i> | A Love Grass | S1 | G3G5 | | |
| <i>Eragrostis reptans</i> | Creeping Love Grass | SH | G5 | | |
| <i>Erianthus giganteus</i> | Plume Grass | S1 | G5 | | |
| <i>Erianthus strictus</i> | Narrow Plumegrass | SH | G5 | | |
| <i>Eriogonum longifolium</i> var. <i>longifolium</i> | Umbrella Plant | S2 | G4T4 | | |
| <i>Erysimum capitatum</i> var. <i>capitatum</i> | Western Wallflower | S3? | G5T5 | | |
| <i>Euonymus americanus</i> | Strawberry Bush | S2 | G5 | | |
| <i>Eupatorium album</i> | White Thoroughwort | SU | G5 | | |
| <i>Eupatorium maculatum</i> var. <i>bruneri</i> | Spotted Joe-pye Weed | S1 | G5T4T5Q | | |
| <i>Eupatorium rotundifolium</i> var. <i>scabridum</i> | A Thoroughwort | S1? | G5T3T5 | | |
| <i>Eupatorium semiserratum</i> | A Thoroughwort | S1S2 | G5 | | |
| <i>Euphorbia geyeri</i> var. <i>geyeri</i> | Geyer's Spurge | S1 | G5T5 | | |
| <i>Euphorbia ouachitana</i> | A Spurge | SU | GNR | | |
| <i>Eurybia furcata</i> | Forked Aster | S2 | G3 | | |
| <i>Eurybia macrophylla</i> | Big-leaved Aster | S2 | G5 | | |
| <i>Festuca sororia</i> | A Fescue | SH | G4 | | |
| <i>Filipendula rubra</i> | Queen of the Prairie | S2 | G4G5 | | |
| <i>Fimbristylis littoralis</i> var. <i>littoralis</i> | A Fimbristylis | S1? | G3G5TNR | | |
| <i>Fimbristylis perpusilla</i> | Harper's Fimbry | SH | G2 | | |
| <i>Floerkea proserpinacoides</i> | False Mermaid | SU | G5 | | |
| <i>Fragaria vesca</i> | Woodland Strawberry | S1 | G5 | | |
| <i>Fraxinus biltmoreana</i> | Biltmore Ash | SU | G5 | | |
| <i>Fuirena simplex</i> var. <i>aristulata</i> | An Umbrella Grass | S2? | G5T4 | | |

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| <i>Gaillardia aestivalis</i> var. <i>flavovirens</i> | A Blanket Flower | SH | G5T3T5 | | |
| <i>Galium asprellum</i> | Rough Bedstraw | SU | G5 | | |
| <i>Galium boreale</i> | Northern Bedstraw | S2 | G5 | | |
| <i>Gaylussacia baccata</i> | Black Huckleberry | S1 | G5 | | |
| <i>Gentiana andrewsii</i> var. <i>andrewsii</i> | Closed Gentian | S1 | G5?T5? | | |
| <i>Geocarpon minimum</i> | Geocarpon | S2 | G2 | E | T |
| <i>Geum fragarioides</i> | Barren Strawberry | S2 | G5T5 | | |
| <i>Geum virginianum</i> | Pale Avens | S1 | G5 | | |
| <i>Gillenia trifoliata</i> | Indian Physic | SH | G4G5 | | |
| <i>Glyceria acutiflora</i> | Sharp-scaled Manna Grass | S3 | G5 | | |
| <i>Glyceria septentrionalis</i> var. <i>arkansana</i> | Eastern Manna Grass | SU | G5 | | |
| <i>Glycyrrhiza lepidota</i> var. <i>lepidota</i> | Wild Licorice | S1 | G5TNRQ | | |
| <i>Gratiola viscidula</i> | Hedge Hyssop | S1 | G4G5 | | |
| <i>Grindelia ciliata</i> | A Goldenweed | S1 | G4G5 | | |
| <i>Helanthium tenellum</i> | Dwarf Burhead | S1 | G5? | | |
| <i>Helenium virginicum</i> | Virginia Sneezeweed | S3 | G3 | E | T |
| <i>Helianthemum canadense</i> | A Rockrose | SU | G5 | | |
| <i>Helianthus angustifolius</i> | Swamp Sunflower | S2 | G5 | | |
| <i>Helianthus decapetalus</i> | Thin-leaved Sunflower | SU | G5 | | |
| <i>Heliotropium curassavicum</i> var. <i>curassavicum</i> | Seaside Heliotrope | S1 | G5T5 | | |
| <i>Heteranthera reniformis</i> | Mud Plantain | SU | G5 | | |
| <i>Heterotheca canescens</i> | Hoary Golden Aster | SH | G5? | | |
| <i>Heuchera parviflora</i> var. <i>parviflora</i> | Little Leaved Alum Root | S1 | G4T4 | | |
| <i>Hotttonia inflata</i> | Featherfoil | S2 | G4 | | |
| <i>Houstonia rosea</i> | Rose Bluet | SU | G5 | | |
| <i>Hydrocotyle ranunculoides</i> | Floating Pennywort | S1S2 | G5 | | |
| <i>Hydrocotyle verticillata</i> | Water Pennywort | S1 | G5 | | |
| <i>Hydrolea ovata</i> | Ovate Fiddleleaf | S2 | G5 | | |
| <i>Hypericum adpressum</i> | Creeping St. John's-wort | S1 | G3 | | |
| <i>Hypericum ascyron</i> ssp. <i>pyramidalatum</i> | Great St. John's-wort | S1 | G4 | | |
| <i>Hypericum lobocarpum</i> | A St. John's Wort | S1 | G4Q | | |
| <i>Hypericum majus</i> | Greater St. John's-wort | SH | G5 | | |
| <i>Ilex verticillata</i> var. <i>padifolia</i> | Winterberry | S3 | G5TNR | | |
| <i>Isolepis molesta</i> | Gulf Coast Bulrush | SH | G4? | | |
| <i>Isotria medeoloides</i> | Small Whorled Pogonia | SH | G2 | E | T |
| <i>Isotria verticillata</i> | Large Whorled Pogonia | S1S2 | G5 | | |
| <i>Juncus alpinoarticulatus</i> | Richardson Rush | SH | G5 | | |
| <i>Juncus balticus</i> var. <i>littoralis</i> | Baltic Rush | S1 | G5T5 | | |
| <i>Juncus brachyphyllus</i> | Small-headed Rush | S1 | G5 | | |
| <i>Juncus bufonius</i> var. <i>bufonius</i> | Toad Rush | S1 | G5T5 | | |
| <i>Juncus canadensis</i> var. <i>canadensis</i> | Canada Rush | S1 | G5T5 | | |
| <i>Juncus debilis</i> | Weak Rush | S1 | G5 | | |

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| <i>Juncus filipendulus</i> | Ringseed Rush | SU | G5 | | |
| <i>Juncus nodosus</i> | Knotted Rush | SH | G5 | | |
| <i>Juncus validus</i> | A Rush | S1 | G5 | | |
| <i>Justicia ovata</i> var. <i>lanceolata</i> | A Water Willow | S2 | G5T4T5 | | |
| <i>Lactuca hirsuta</i> | Hairy Lettuce | SU | G5? | | |
| <i>Lactuca ludoviciana</i> | Western Lettuce | SH | G4G5 | | |
| <i>Lactuca tatarica</i> ssp. <i>pulchella</i> | Blue Lettuce | S1 | G5T5 | | |
| <i>Lathyrus pusillus</i> | A Wild Pea | SH | G5? | | |
| <i>Lathyrus venosus</i> | Bushy Vetchling | SU | G5 | | |
| <i>Leavenworthia torulosa</i> | Necklace Goldcress | SU | G4 | | |
| <i>Lechea racemulosa</i> | Illinois Pinweed | SH | G5 | | |
| <i>Leitneria floridana</i> | Corkwood | S2 | G3 | | |
| <i>Lemna obscura</i> | A Duckweed | SU | G5 | | |
| <i>Lemna trisulca</i> | Star Duckweed | S2 | G5 | | |
| <i>Lemna turionifera</i> | A Duckweed | SH | G5 | | |
| <i>Liatris punctata</i> var. <i>punctata</i> | A Blazing Star | S3 | G5T5 | | |
| <i>Liatris scariosa</i> var. <i>nieuwlandii</i> | A Blazing Star | S2 | G5?T3T5 | | |
| <i>Liatris spicata</i> | Button Snakeroot | SX | G5 | | |
| <i>Lilium philadelphicum</i> var. <i>andinum</i> | Wood Lily | S1 | G5T4T5 | | |
| <i>Lilium superbum</i> | Turk's Cap Lily | S1 | G5 | | |
| <i>Limnobium spongia</i> ssp. <i>spongia</i> | American Frogbit | S2 | G4 | | |
| <i>Limnosciadium pinnatum</i> | Pinnate Dogshade | S1 | G5? | | |
| <i>Limosella aquatica</i> | Mudwort | SH | G5 | | |
| <i>Lindera melissifolia</i> | Pondberry | S1 | G2G3 | E | E |
| <i>Linum floridanum</i> var. <i>floridanum</i> | Florida Yellow Flax | SU | G5?T5? | | |
| <i>Liparis loeselii</i> | Loesel's Twayblade | S2 | G5 | | |
| <i>Lipocarpha aristulata</i> | Lipocarpha | SH | G5? | | |
| <i>Lipocarpha drummondii</i> | A Lipocarpha | S1 | G4G5 | | |
| <i>Lippia nodiflora</i> | Fog Fruit | SH | G5 | | |
| <i>Listera australis</i> | Southern Twayblade | S1 | G4 | | |
| <i>Lithospermum latifolium</i> | American Gromwell | S2 | G4 | | |
| <i>Lobelia puberula</i> | Downy Lobelia | SH | G5 | | |
| <i>Lomatium foeniculaceum</i> ssp. <i>foeniculaceum</i> | Hairy Parsley | S1S3 | G5T5 | | |
| <i>Ludwigia leptocarpa</i> | Primrose Willow | S2 | G5 | | |
| <i>Ludwigia linearis</i> | Narrow-leaved Primrose | SU | G5 | | |
| <i>Ludwigia microcarpa</i> | A False Loosestrife | S2 | G5 | | |
| <i>Ludwigia repens</i> | A False Loosestrife | SU | G5 | | |
| <i>Lycopus asper</i> | Bugle Weed | SH | G5 | | |
| <i>Lycopus uniflorus</i> | Northern Bugleweed | S2? | G5 | | |
| <i>Lygodesmia juncea</i> | Skeleton Plant | S3 | G5 | | |
| <i>Lyonia mariana</i> | Stagger Bush | SH | G5 | | |
| <i>Lysimachia terrestris</i> | Swamp Candle | S1 | G5 | | |
| <i>Lysimachia thyrsiflora</i> | Tufted Loosestrife | S1 | G5 | | |
| <i>Maianthemum stellatum</i> | Starry False Solomon's Seal | SU | G5 | | |

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| <i>Malus angustifolia</i> | Narrow-leaved Wild Crab | S2 | G5? | | |
| <i>Malvastrum angustum</i> | Yellow False Mallow | S3 | G3G5 | | |
| <i>Marshallia caespitosa</i> var. <i>caespitosa</i> | Barbara's Buttons | S3 | G4T4 | | |
| <i>Marshallia caespitosa</i> var. <i>signata</i> | Barbara's Buttons | S1 | G4T4 | | |
| <i>Mecardonia acuminata</i> | Water Hyssop | S1 | G5 | | |
| <i>Medeola virginiana</i> | Indian Cucumber-root | SH | G5 | | |
| <i>Melica mutica</i> | Two-flowered Melic Grass | S1 | G5 | | |
| <i>Melothria pendula</i> | Creeping Cucumber | S3 | G5? | | |
| <i>Menyanthes trifoliata</i> | Bogbean | S1 | G5 | | |
| <i>Mimulus glaberrimus</i> var. <i>jamesii</i> | Roundleaf Monkey Flower | SH | G5T5 | | |
| <i>Minuartia muscorum</i> | Dixie Stitchwort | S1 | GNR | | |
| <i>Mirabilis linearis</i> var. <i>linearis</i> | Narrow-leaved Four-o'clock | SU | GNR | | |
| <i>Mitreola petiolata</i> | Miterwort | S1 | G5 | | |
| <i>Moehringia lateriflora</i> | Grove Sandwort | S2S3 | G5 | | |
| <i>Monarda clinopodia</i> | A Horsemint | S1 | G5 | | |
| <i>Monarda punctata</i> var. <i>arkansana</i> | Arkansas Bee Balm | SA | G5TNR | | |
| <i>Monarda punctata</i> var. <i>occidentalis</i> | Dotted Monarda | SA | G5T4T5 | | |
| <i>Monarda punctata</i> var. <i>villicaulis</i> | Horsemint | S3 | G5T5? | | |
| <i>Muhlenbergia asperifolia</i> | Scratchgrass | S1 | G5 | | |
| <i>Muhlenbergia cuspidata</i> | Plains Muhly | SU | G4 | | |
| <i>Muhlenbergia glabriflora</i> | Inland Muhly | SU | G4? | | |
| <i>Najas flexilis</i> | A Naiad | SH | G5 | | |
| <i>Najas gracillima</i> | Thread-like Naiad | S2 | G5? | | |
| <i>Nemastylis geminiflora</i> | Prairie Iris | S2 | G4 | | |
| <i>Neivisia alabamensis</i> | Snow Wreath | SH | G2 | | |
| <i>Nothocalais cuspidata</i> | Prairie Dandelion | S2 | G5 | | |
| <i>Nyssa biflora</i> | Swamp Black Gum | SH | G5 | | |
| <i>Obularia virginica</i> | Virginia Pennywort | S2 | G5 | | |
| <i>Oenothera clelandii</i> | Evening Primrose | S2 | G3G5 | | |
| <i>Oenothera fruticosa</i> ssp. <i>fruticosa</i> | Shrubby Sundrops | S1 | G5T5 | | |
| <i>Oenothera fruticosa</i> ssp. <i>glaucia</i> | Shrubby Sundrops | SH | G5T5 | | |
| <i>Oenothera glauca</i> | Stenosiphon | S2 | G5 | | |
| <i>Oenothera grandis</i> | Cut-leaved Evening Primrose | SU | G5? | | |
| <i>Oenothera nutans</i> | Nodding Evening Primrose | S1S2 | G4 | | |
| <i>Oenothera parviflora</i> | Northern Evening Primrose | SU | G4? | | |
| <i>Oenothera perennis</i> | Small Sundrops | S1 | G5 | | |
| <i>Oenothera rhombipetala</i> | An Evening Primrose | SH | G4G5 | | |
| <i>Oenothera suffrutescens</i> | Scarlet Gaura | S1 | GNR | | |
| <i>Oenothera triloba</i> | Stemless Evening Primrose | S2 | G4 | | |
| <i>Oldenlandia boscii</i> | A Bluet | S1 | G5 | | |
| <i>Oldenlandia uniflora</i> | Clustered Bluets | S1 | G5 | | |
| <i>Opuntia macrorhiza</i> var. <i>macrorhiza</i> | Low Prickly Pear | S2 | G5T5 | | |
| <i>Opuntia polyacantha</i> var. <i>polyacantha</i> | Starvation Cactus | SX | G5T5 | | |

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| Orobanche ludoviciana | A Broomrape | S1 | G5 | | |
| Orobanche riparia | A Broomrape | S1 | G4? | | |
| Oryzopsis racemosa | Black-seeded Mountain Rice | S1 | G5 | | |
| Oxytropis lambertii var. lambertii | Locoweed | S2 | G5TNR | | |
| Packera tomentosa | Hairy Groundsel | SH | G4G5 | | |
| Panicum dichotomum var. mattamuskeetense | A Panic Grass | SH | G4T4? | | |
| Panicum dichotomum var. nitidum | A Panic Grass | S1 | G5TNR | | |
| Panicum dichotomum var. yadkinense | A Panic Grass | SH | G5T4Q | | |
| Panicum leibergii | A Panic Grass | SU | G5 | | |
| Panicum longifolium | Panicgrass | SU | G5 | | |
| Panicum portoricense | A Panic Grass | S1? | G5TNR | | |
| Panicum verrucosum | Warty Panicgrass | S1 | G4 | | |
| Paronychia virginica | Virginia Whitlow Wort | S1 | G4 | | |
| Paspalum bifidum | Pitchfork Paspalum | S1 | G5 | | |
| Paspalum dissectum | Mudbank Paspalum | SH | G4? | | |
| Paspalum setaceum var. setaceum | Slender Paspalum | S1 | G5T5 | | |
| Pediomelum argophyllum | Silvery Psoralea | S2 | G5 | | |
| Peltandra virginica ssp. virginica | Arrow Arum | S2 | G5T5 | | |
| Penstemon cobaea | A Beard-tongue | S1 | G4 | | |
| Penstemon grandiflorus | Large Beard-tongue | S1 | G5? | | |
| Penstemon tenuis | Gulf Coast Beard-tongue | SU | G4 | | |
| Perideridia americana | Eastern Eulophus | S2 | G4 | | |
| Persicaria amphibia var. stipulacea | Water Smartweed | S1 | G5T5 | | |
| Persicaria arifolia | Halberd-leaved Tear Thumb | S1 | G5 | | |
| Persicaria bicornis | Pink Smartweed | SU | GNR | | |
| Persicaria glabra | Dense-flower Smartweed | S1S2 | G5 | | |
| Persicaria robustior | Dotted Smartweed | SH | G4G5 | | |
| Phacelia covillei | Coville's Phacelia | S1 | G3 | | |
| Philadelphus pubescens var. verrucosus | Mock Orange | S1 | G5?TU | | |
| Phlox amplifolia | Large-leaved Phlox | S3? | G3G5 | | |
| Phlox bifida | Bifid Phlox | S1 | G5? | | |
| Phlox maculata ssp. pyramidalis | Wild Sweet William | S2 | G5T4T5 | | |
| Phyllanthus polygonoides | Knotweed Leaf-flower | S1 | G5 | | |
| Physalis grisea | Strawberry-tomato | SU | G5? | | |
| Physalis missouriensis | Missouri Groundcherry | SU | G5? | | |
| Physaria filiformis | Missouri Bladderpod | S3 | G3 | E | T |
| Physostegia intermedia | A False Dragonhead | S1 | G5 | | |
| Plantago heterophylla | Slender Plantain | SU | G5 | | |
| Plantago patagonica | Woolly Plantain | S2 | G5 | | |
| Platanthera ciliaris | Yellow-fringed Orchid | S1 | G5 | | |
| Platanthera clavellata | Green Wood Orchid | S2 | G5 | | |

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| <i>Platanthera flava</i> var. <i>flava</i> | Pale Green Orchid | S2 | G4?T4?Q | | |
| <i>Platanthera flava</i> var. <i>herbiola</i> | Northern Rein Orchid | S2 | G4?T4Q | | |
| <i>Platanthera leucophaea</i> | Eastern Prairie Fringed Orchid | S1 | G2G3 | E | T |
| <i>Platanthera praeclara</i> | Western Prairie Fringed Orchid | S1 | G3 | E | T |
| <i>Platanthera psycodes</i> | Small Purple-fringed Orchid | SX | G5 | | |
| <i>Pluchea foetida</i> var. <i>foetida</i> | March Fleabane | SH | G5T5 | | |
| <i>Poa interior</i> | Inland Bluegrass | S1 | G5 | | |
| <i>Pogonia ophioglossoides</i> | Snake-mouth Orchid | S1 | G5 | | |
| <i>Polygonum americanum</i> | Jointweed | S2 | GNR | | |
| <i>Polymnia laevigata</i> | Smooth Leaf-cup | SX | G3 | | |
| <i>Populus grandidentata</i> | Big-toothed Aspen | S1 | G5 | | |
| <i>Populus tremuloides</i> | Quaking Aspen | S2 | G5 | | |
| <i>Portulaca pilosa</i> | Kiss Me Quick | SU | G5 | | |
| <i>Potamogeton epihydrus</i> | Nuttall Pondweed | SH | G5 | | |
| <i>Potamogeton pulcher</i> | Spotted Pondweed | S2S3 | G5 | | |
| <i>Potamogeton pusillus</i> var. <i>pusillus</i> | Slender Pondweed | S3 | G5T5 | | |
| <i>Potentilla supina</i> ssp. <i>paradoxa</i> | Bushy Cinquefoil | S1 | G5 | | |
| <i>Prenanthes racemosa</i> | Rattlesnake Root | SH | G5 | | |
| <i>Primula fassettii</i> | Amethyst Shooting Star | S2 | GNR | | |
| <i>Primula frenchii</i> | French's Shooting Star | S1 | GNR | | |
| <i>Proserpinaca palustris</i> var. <i>palustris</i> | Mermaid Weed | SU | G5T5 | | |
| <i>Pseudognaphalium helleri</i> | Heller's Cudweed | SU | G4G5 | | |
| <i>Pseudognaphalium micradenium</i> | Rabbit Tobacco | SU | G4G5T3? | | |
| <i>Ptilimnium capillaceum</i> | Mock Bishop's Weed | SH | G5 | | |
| <i>Pycnanthemum muticum</i> | Blunt Mountain Mint | S2 | G5 | | |
| <i>Pycnanthemum torrei</i> | Torrey Mountain Mint | SH | G2 | | |
| <i>Quercus ellipsoidalis</i> | Northern Pin Oak | S1 | G5 | | |
| <i>Quercus margarettiae</i> | Sand Post Oak | SRF | G5 | | |
| <i>Quercus nigra</i> | Water Oak | S2 | G5 | | |
| <i>Quercus prinoides</i> | Dwarf Chinquapin Oak | S3? | G5 | | |
| <i>Quercus texana</i> | Nuttall's Oak | S2 | G4G5 | | |
| <i>Ranunculus cymbalaria</i> | Seaside Crowfoot | SH | G5 | | |
| <i>Rhynchosia difformis</i> | Double-formed Snoutbean | S1 | G5? | | |
| <i>Rhynchospora harveyi</i> | Harvey's Beak-rush | S1 | G4 | | |
| <i>Rhynchospora macrostachya</i> var. <i>macrostachya</i> | Horned Rush | S1 | G4T4Q | | |
| <i>Rhynchospora scirpoides</i> | Longbeak Beaksedge | SU | G4 | | |
| <i>Ribes americanum</i> | Gooseberry | S1 | G5 | | |
| <i>Rorippa aquatica</i> | Lake Cress | S2 | G4? | | |
| <i>Rosa blanda</i> | Smooth Rose | S1 | G5 | | |
| <i>Rubus plicatifolius</i> | A Blackberry | SU | G5 | | |
| <i>Rubus rosa</i> | Rose Blackberry | SU | G5 | | |
| <i>Rubus sativus</i> | Ithaca Blackberry | SU | G4G5Q | | |

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| <i>Rudbeckia amplexicaulis</i> | Clasping Leaved Coneflower | S? | G5 | | |
| <i>Rudbeckia grandiflora</i> var. <i>grandiflora</i> | Rough Coneflower | S1 | G5T4? | | |
| <i>Ruppia maritima</i> | Ditch Grass | S1 | G5 | | |
| <i>Sabatia brachiata</i> | Marsh Pink | S1 | G5? | | |
| <i>Sacciolepis striata</i> | American Cupscale | S1 | G5 | | |
| <i>Sagina procumbens</i> | Matted Pearlwort | SU | G5 | | |
| <i>Sagittaria ambigua</i> | Kansas Arrowhead | S1 | G2? | | |
| <i>Sagittaria platyphylla</i> | Ovate-leaved Arrowhead | S1 | G5 | | |
| <i>Salix discolor</i> | Pussy Willow | S1 | G5 | | |
| <i>Salix famelica</i> | Diamond Willow | SU | G5TNR | | |
| <i>Salix petiolaris</i> | Meadow Willow | S1 | G5 | | |
| <i>Sambucus pubens</i> | Red-berried Elderberry | S1 | G4G5Q | | |
| <i>Sanicula smallii</i> | Black Snakeroot | SH | G5 | | |
| <i>Sapindus saponaria</i> var. <i>drummondii</i> | Soapberry | S2 | G5T5 | | |
| <i>Schoenoplectus americanus</i> | Olney's Bulrush | SH | G5 | | |
| <i>Schoenoplectus californicus</i> | Giant Bulrush | S1 | G5 | | |
| <i>Schoenoplectus deltarum</i> | Delta Bulrush | SH | G3G4 | | |
| <i>Schoenoplectus etuberculatus</i> | Canby's Bulrush | S1 | G3G4 | | |
| <i>Schoenoplectus hallii</i> | Hall's Bulrush | S2 | G2G3 | | |
| <i>Schoenoplectus heterochaetus</i> | Giant Bulrush | SU | G5 | | |
| <i>Schoenoplectus purshianus</i> | Weakstalk Bulrush | S1 | G4G5 | | |
| <i>Schoenoplectus saximontanus</i> | A Bulrush | S1 | G5 | | |
| <i>Schoenoplectus subterminalis</i> | Swaying Rush | S1 | G4G5 | | |
| <i>Schoenoplectus torreyi</i> | Torrey's Bulrush | SH | G5? | | |
| <i>Scirpus divaricatus</i> | A Bulrush | SH | G5 | | |
| <i>Scirpus pallidus</i> | Pale Bulrush | S2 | G5 | | |
| <i>Scirpus pedicellatus</i> | A Bulrush | SU | G4 | | |
| <i>Scleria reticularis</i> var. <i>pubescens</i> | Muhlenberg's Nut-rush | S1 | G5 | | |
| <i>Scrophularia lanceolata</i> | Early Figwort | SH | G5 | | |
| <i>Scutellaria elliptica</i> var. <i>hirsuta</i> | Hairy Skullcap | SH | G5T5 | | |
| <i>Scutellaria galericulata</i> | Marsh Skullcap | S1 | G5 | | |
| <i>Sida elliptii</i> | Elliott Sida | S1 | G4G5 | | |
| <i>Sisyrinchium atlanticum</i> | Eastern Blue-eyed Grass | S2 | G5 | | |
| <i>Smilax illinoensis</i> | Carrion Flower | S2S3 | G4? | | |
| <i>Solanum elaeagnifolium</i> | White Horse Nettle | SU | G4G5 | | |
| <i>Solidago riddellii</i> | Riddell's Goldenrod | S3 | G5 | | |
| <i>Solidago rigida</i> ssp. <i>humilis</i> | Stiff Goldenrod | SU | G5T5 | | |
| <i>Spermolepis diffusa</i> | Rough-fruit Spermolepis | S1 | GNR | | |
| <i>Sphenopholis pensylvanica</i> | Swamp Oats | SH | G4 | | |
| <i>Spiraea alba</i> var. <i>alba</i> | Meadow-sweet | S1 | G5T5 | | |
| <i>Spiraea tomentosa</i> | Hardhack | S1 | G5 | | |
| <i>Spiranthes praecox</i> | Greenvein Ladies' Tresses | S1 | G5 | | |
| <i>Sporobolus airoides</i> | Alkali Sacaton | SH | G5 | | |
| <i>Stachys aspera</i> | Hedge Nettle | SH | G4? | | |
| <i>Steinichisma hians</i> | Gaping Panic Grass | S3 | G5 | | |

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| <i>Stylosma pickeringii</i> var. <i>pattersonii</i> | A Stylosma | S1 | G4T4 | | |
| <i>Styrax grandifolius</i> | Bigleaf Snowbell | SU | G5 | | |
| <i>Sullivantia sullivantii</i> | Sullivantia | S2 | G4 | | |
| <i>Symphoricarpos occidentalis</i> | Wolfberry | S1 | G5 | | |
| <i>Symphyotrichum ciliatum</i> | Rayless Alkali Aster | SH | G5 | | |
| <i>Symphyotrichum patens</i> var. <i>gracile</i> | Spreading Aster | SU | G5T4T5 | | |
| <i>Symphyotrichum racemosum</i> var. <i>subdumosum</i> | Small White Aster | S2 | G4G5T3T5Q | | |
| <i>Symphyotrichum subulatum</i> var. <i>ligulatum</i> | Saltmarsh Aster | S2 | G5 | | |
| <i>Thalia dealbata</i> | Water Canna | S2 | G4 | | |
| <i>Thelesperma filifolium</i> | Thelesperma | S2 | G4G5 | | |
| <i>Tilia americana</i> var. <i>heterophylla</i> | White Basswood | SU | G5T5 | | |
| <i>Tipularia discolor</i> | Cranefly Orchid | S2 | G4G5 | | |
| <i>Torreyochloa pallida</i> var. <i>pallida</i> | Pale Manna Grass | S1 | G5T5? | | |
| <i>Tradescantia ozarkana</i> | Ozark Spiderwort | S2 | G3 | | |
| <i>Tragia cordata</i> | Heart-leaved Noseburn | S2 | G4 | | |
| <i>Trautvetteria carolinensis</i> | False Bugbane | S2 | G5 | | |
| <i>Trepocarpus aethusae</i> | Trepocarpus | S1 | G4G5 | | |
| <i>Triadenum tubulosum</i> | Marsh St. John's Wort | S1 | G4? | | |
| <i>Trichostema setaceum</i> | Blue Curls | S1 | G5 | | |
| <i>Tridens flavus</i> var. <i>chapmanii</i> | A Grass | S2 | G5T3 | | |
| <i>Tridens muticus</i> var. <i>elongatus</i> | Slim Tridens | SH | G5T4? | | |
| <i>Trifolium carolinianum</i> | Carolina Clover | S1 | G5 | | |
| <i>Trifolium stoloniferum</i> | Running Buffalo Clover | S1 | G3 | E | E |
| <i>Trillium nivale</i> | Snow Trillium | S3 | G4 | | |
| <i>Trillium pusillum</i> var. <i>ozarkanum</i> | Ozark Wake Robin | S2 | G3T3 | | |
| <i>Triodanis holzingeri</i> | A Venus' Looking Glass | SH | G4 | | |
| <i>Triodanis lamprosperma</i> | A Venus' Looking Glass | S2 | G5? | | |
| <i>Turritis glabra</i> | Tower Mustard | S1 | G5 | | |
| <i>Typha domingensis</i> | Southern Cattail | S1 | G4G5 | | |
| <i>Ulmus crassifolia</i> | Cedar Elm | S1 | G5 | | |
| <i>Ulmus thomasii</i> | Rock Elm | S2 | G5 | | |
| <i>Urtica chamaedryoides</i> | Weak Nettle | S1 | G4G5 | | |
| <i>Utricularia minor</i> | Lesser Bladderwort | S1 | G5 | | |
| <i>Utricularia subulata</i> | Slender Bladderwort | S1 | G5 | | |
| <i>Valerianella ozarkana</i> | Ozark Corn Salad | S2 | G3 | | |
| <i>Veronica americana</i> | American Brooklime | SH | G5 | | |
| <i>Viburnum bracteatum</i> | Ozark Arrow Wood | S1S2 | G1G2 | | |
| <i>Viburnum dentatum</i> | Southern Arrow-wood | S1 | G5 | | |
| <i>Viburnum lentago</i> | Nannyberry | S1 | G5 | | |
| <i>Viburnum recognitum</i> | Northern Arrow-wood | S1 | G4G5 | | |
| <i>Vicia ludoviciana</i> ssp. <i>leavenworthii</i> | Louisiana Vetch | SH | G5T5 | | |
| <i>Vicia minutiflora</i> | Pygmy-flowered Vetch | SH | G5 | | |
| <i>Viola affinis</i> | Sand Violet | S1 | G5 | | |

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| FLOWERING PLANTS (Cont.) | | | | | |
| <i>Viola pallens</i> | Smooth White Violet | S2 | G5T5 | | |
| <i>Vitis rotundifolia</i> var. rotundifolia | Muscadine | S1 | G5T5 | | |
| <i>Wolffia borealis</i> | Dotted Watermeal | SU | G5 | | |
| <i>Wolffia columbiana</i> | Columbia Water-meal | SU | G5 | | |
| <i>Wolffiella gladiata</i> | Wolffiella | S1 | G5 | | |
| <i>Xyris jupicai</i> | Yellow-eyed-grass | S1 | G5 | | |
| <i>Xyris torta</i> | Yellow-eyed Grass | S1 | G5 | | |
| <i>Yucca arkansana</i> | Arkansas Yucca | S2 | G5 | | |
| <i>Yucca glauca</i> | Small Soapweed Yucca | S2 | G5 | | |
| <i>Zannichellia palustris</i> var. <i>major</i> | Horned Pondweed | S3? | G5TNR | | |
| <i>Zigadenus elegans</i> ssp. <i>glaucus</i> | White Camas | S2 | G5T4T5 | | |
| <i>Zigadenus nuttallii</i> | Death Camas | S1 | G5 | | |
| <i>Zizania palustris</i> var. <i>interior</i> | Interior Wild Rice | SH | G4G5T4T5 | | |

Total Flowering Plant Records: 529

FLATWORMS

| | | | | |
|-------------------------------|---------------------------|----|------|--|
| <i>Macrocotyla glandulosa</i> | Pink Planarian | S1 | G2G3 | |
| <i>Macrocotyla lewisi</i> | Lewis' Cave Planarian | S1 | G1 | |
| <i>Sphalloplana evaginata</i> | Perryville Cave Planarian | S1 | G1G2 | |
| <i>Sphalloplana hubrichti</i> | Hubricht's Cave Planarian | S1 | G2G4 | |

Total Flatworm Records: 4

MOLLUSKS

| | | | | | |
|--------------------------------------|--------------------------|----|-------|---|---|
| <i>Alasmidonta marginata</i> | Elktoe | S2 | G4 | | |
| <i>Alasmidonta viridis</i> | Slippershell Mussel | S1 | G4G5 | E | |
| <i>Amnicola stygius</i> | Stygian Amnicola | S1 | G1 | | |
| <i>Anodontula suborbicularis</i> | Flat Floater | S2 | G5 | | |
| <i>Anodontoides ferussacianus</i> | Cylindrical Papershell | S1 | G5 | | |
| <i>Antrobia culveri</i> | Tumbling Creek Cavesnail | S1 | G1 | E | E |
| <i>Arcidens confragosus</i> | Rock Pocketbook | S3 | G4 | | |
| <i>Campeloma crassulum</i> | Ponderous Campeloma | SU | G5 | | |
| <i>Cumberlandia monodonta</i> | Spectaclecase | S3 | G3 | E | E |
| <i>Cyprogenia aberti</i> | Western Fanshell | S2 | G2G3Q | | |
| <i>Discus nigromontanus</i> | Black Mountain Disc | S3 | G4 | | |
| <i>Elliptio crassidens</i> | Elephantear | S1 | G5 | E | |
| <i>Epioblasma florentina curtisi</i> | Curtis Pearlymussel | S1 | G1T1 | E | E |
| <i>Epioblasma triquetra</i> | Snuffbox | S1 | G3 | E | E |
| <i>Fontigens aldrichi</i> | Hoosier Springsnail | S4 | G4 | | |
| <i>Fontigens antroecetes</i> | Missouri Cavesnail | S2 | G2 | | |
| <i>Fontigens proserpina</i> | Proserpine Cavesnail | S1 | G1 | | |
| <i>Fusconaia ebena</i> | Ebonyshell | S1 | G4G5 | E | |
| <i>Gastrocopta cristata</i> | Crested Snaggletooth | S1 | G5 | | |
| <i>Gastrocopta pellucida</i> | Slim Snaggletooth | S1 | G5 | | |
| <i>Hendersonia occulta</i> | Cherrystone Snail | S3 | G4 | | |
| <i>Lampsilis abrupta</i> | Pink Mucket | S2 | G2 | E | E |

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| MOLLUSKS (Cont.) | | | | | |
| <i>Lampsilis brittisi</i> | Northern Brokenray | S3 | G4T3 | | |
| <i>Lampsilis higginsii</i> | Higgins Eye | S1 | G1G2 | E | E |
| <i>Lampsilis rafinesqueana</i> | Neosho Mucket | S2 | G2 | E | E |
| <i>Leptodea leptodon</i> | Scaleshell | S1 | G1G2 | E | E |
| <i>Leptothis arkansensis</i> | Arkansas Mudalia | S1 | G1 | | |
| <i>Ligumia recta</i> | Black Sandshell | S2 | G4G5 | | |
| <i>Lioplax sulculosa</i> | Furrowed Lioplax | S1 | G5 | | |
| <i>Marstonia ozarkensis</i> | Ozark Pyrg | SH | G1 | | |
| <i>Marstonia scalariformis</i> | Moss Pyrg | S1 | G1 | | |
| <i>Mesodon mitchellianus</i> | Sealed Goblet | S1 | G4 | | |
| <i>Micromenetus sampsoni</i> | Sampson Sprite | S2 | G2G3Q | | |
| <i>Millerelix deltoidea</i> | Oklahoma Liptooth | SU | G2 | | |
| <i>Neohelix divesta</i> | Ozark Whitelip | S3 | G3G4 | | |
| <i>Obovaria jacksoniana</i> | Southern Hickorynut | S1 | G2 | | |
| <i>Obovaria olivaria</i> | Hickorynut | S3 | G4 | | |
| <i>Patera perigrapta</i> | Engraved Bladetooth | S2 | G5 | | |
| <i>Plectomerus dombeyanus</i> | Bankclimber | S3 | G5 | | |
| <i>Plethobasus cyphyus</i> | Sheepnose | S2 | G3 | E | E |
| <i>Pleurocera alveare</i> | Rugged Hornsnail | S1S3 | G3 | | |
| <i>Potamilus capax</i> | Fat Pocketbook | S1 | G2 | E | E |
| <i>Ptychobranchus occidentalis</i> | Ouachita Kidneyshell | S3 | G3G4 | | |
| <i>Quadrula cylindrica cylindrica</i> | Rabbitsfoot | S1 | G3G4T3 | E | T |
| <i>Quadrula fragosa</i> | Winged Mapleleaf | S1 | G1 | E | E |
| <i>Quadrula nodulata</i> | Wartyback | S3 | G4 | | |
| <i>Simpsonaias ambiguia</i> | Salamander Mussel | S1 | G3 | E | |
| <i>Somatogyrus depressus</i> | Sandbar Pebblesnail | S2 | G2 | | |
| <i>Somatogyrus rosewateri</i> | Elk Pebblesnail | S1 | G1 | | |
| <i>Stagnicola elodes</i> | Marsh Pondsail | S2 | G5 | | |
| <i>Stenotrema stenotrema</i> | Inland Slitmouth | S3 | G5 | | |
| <i>Strobilops affinis</i> | Eightfold Pinecone | S2 | G4 | | |
| <i>Toxolasma lividum</i> | Purple Lilliput | S1 | G3Q | | |
| <i>Toxolasma texasense</i> | Texas Lilliput | S3 | G4 | | |
| <i>Triodopsis cragini</i> | Post Oak Threetooth | SH | G4 | | |
| <i>Ventrident demissus</i> | Perforate Dome | SU | G5 | | |
| <i>Vertigo oscariana</i> | Capital Vertigo | S1 | G4 | | |
| <i>Villosa lienosa</i> | Little Spectaclecase | S3 | G5 | | |
| <i>Zonitoides limatulus</i> | Dull Gloss | S1 | G4G5 | | |

Total Mollusk Records: 59

ARACHNIDS

| | | | |
|------------------------------------|--------------------------|----|------|
| <i>Apochthonius mysterius</i> | Mystery Cave | S1 | G1G2 |
| <i>Apochthonius typhlus</i> | Pseudoscorpion | S1 | G1G2 |
| | Stone County Cave | S1 | G1G2 |
| | Pseudoscorpion | | |
| <i>Hesperochernes occidentalis</i> | Guano Pseudoscorpion | S3 | G5 |
| <i>Mundochthonius caverniculus</i> | Cavernicolous | SU | G1G2 |
| | Pseudoscorpion | | |
| <i>Phanetta subterranea</i> | Subterranean Cave Spider | S1 | G5 |

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| ARACHNIDS (Cont.) | | | | | |
| <i>Porrhomma cavernicola</i> | Cavernicolous Porrhomma Spider | S2 | G5 | | |
| Total Arachnid Records: 6 | | | | | |
| CRUSTACEANS | | | | | |
| <i>Allocrangonyx hubrichti</i> | Hubricht's Long-tailed Amphipod | S3 | G2G3 | | |
| <i>Bactrurus brachycaudus</i> | Short-tailed Groundwater Amphipod | S4 | G4 | | |
| <i>Bactrurus hubrichti</i> | Sword-tail Cave Amphipod | S1 | G4 | | |
| <i>Bactrurus pseudomucronatus</i> | False Sword-tailed Cave Amphipod | S2 | G2G3 | | |
| <i>Brackenridgia ashleyi</i> | Ashley's Isopod | S2 | G1G3 | | |
| <i>Caecidotea antricola</i> | A Cave Obligate Isopod | S4 | G5 | | |
| <i>Caecidotea dimorpha</i> | An Isopod | S1S3 | G2G3 | | |
| <i>Caecidotea fustis</i> | Fustis Cave Isopod | S2 | G2G3 | | |
| <i>Caecidotea salemensis</i> | Salem Cave Isopod | S2 | G4 | | |
| <i>Caecidotea serrata</i> | Serrated Cave Isopod | S1 | G1G2 | | |
| <i>Caecidotea stiladactyla</i> | Slender-fingered Cave Isopod | S1 | G3G4 | | |
| <i>Caecidotea stygia</i> | Stygian Cave Isopod | S1 | G5 | | |
| <i>Cambarellus puer</i> | Cajun Dwarf Crayfish | S3? | G5 | | |
| <i>Cambarellus shufeldtii</i> | Shufeldt's Dwarf Crayfish | S3? | G5 | | |
| <i>Cambarus aculabrum</i> | Cave Crayfish | SP | G1 | E | |
| <i>Cambarus hubrichti</i> | Salem Cave Crayfish | S3 | G4 | | |
| <i>Cambarus ludovicianus</i> | Painted Devil Crayfish | SU | G5 | | |
| <i>Cambarus maculatus</i> | Freckled Crayfish | S3 | G4 | | |
| <i>Cambarus polychromatus</i> | Paintedhand Mudbug | S1S2 | G5 | | |
| <i>Cambarus setosus</i> | Bristly Cave Crayfish | S3 | G3 | | |
| <i>Diacyclops yeastmani</i> | Yeatman's Groundwater Copepod | S1S3 | G2G3 | | |
| <i>Fallicambarus fodiens</i> | Digger Crayfish | S2S3 | G5 | | |
| <i>Faxonella clypeata</i> | Shield Crayfish | S2S3 | G5 | | |
| <i>Lirceus megapodus</i> | An Isopod | SU | GNR | | |
| <i>Macrobrachium ohioense</i> | Ohio Shrimp | S1 | G4 | | |
| <i>Orconectes eupunctus</i> | Coldwater Crayfish | S1 | G2 | | |
| <i>Orconectes harrisonii</i> | Belted Crayfish | S3 | G3 | | |
| <i>Orconectes lancifer</i> | Shrimp Crayfish | S1S2 | G5 | | |
| <i>Orconectes marchandi</i> | Mammoth Spring Crayfish | S1S2 | G2 | | |
| <i>Orconectes medius</i> | Saddleback Crayfish | S3? | G4 | | |
| <i>Orconectes meeki meeki</i> | Meek's Crayfish | S1 | G4T4 | | |
| <i>Orconectes peruncus</i> | Big Creek Crayfish | S2 | G2 | | |
| <i>Orconectes quadruncus</i> | St. Francis River Crayfish | S2 | G2 | | |
| <i>Orconectes stygocaneyi</i> | Caney Mountain Cave Crayfish | S1 | G1 | | |
| <i>Orconectes williamsi</i> | Williams' Crayfish | S2 | G3 | | |
| <i>Procambarus viaeviridis</i> | Vernal Crayfish | S3? | G5 | | |
| <i>Stygobromus barri</i> | Barr's Groundwater Amphipod | S1S3 | G2G3 | | |

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| CRUSTACEANS (Cont.) | | | | | |
| <i>Stygobromus clantoni</i> | Clanton's Groundwater Amphipod | S1S3 | G4 | | |
| <i>Stygobromus heteropodus</i> | Pickle Springs Amphipod | SX | G1G2 | | |
| <i>Stygobromus onondagaensis</i> | Onondaga Cave Amphipod | S3? | G3 | | |
| <i>Stygobromus ozarkensis</i> | Ozark Cave Amphipod | S3? | G4 | | |
| <i>Stygobromus subtilis</i> | Subtle Groundwater Amphipod | S1S3 | G2 | | |
| <i>Triops longicaudatus</i> | Longtail Tadpole Shrimp | SU | G5 | | |
| Total Crustacean Records: 43 | | | | | |
| MILLIPEDES | | | | | |
| <i>Causeyella dendropus</i> | Causeyella Cave Millipede | S2 | G1G3 | | |
| <i>Chaetaspis aleyorum</i> | Aleys' Cave Millipede | S1 | G1 | | |
| <i>Tingupa pallida</i> | Tingupa Cave Millipede | S4 | G4 | | |
| <i>Zosteractis interminata</i> | Zosteractis Cave Millipede | SU | G2G3 | | |
| Total Millipede Records: 4 | | | | | |
| INSECTS | | | | | |
| <i>Acroneuria ozarkensis</i> | Ozark Stone | S2 | G2 | | |
| <i>Agapetus artesus</i> | Artesian Agapetus | S3 | G3 | | |
| <i>Aleochara speculicollis</i> | Caddisfly | | | | |
| <i>Allocapnia pygmaea</i> | A Staphylinid Beetle | SU | GNR | | |
| <i>Alloperla hamata</i> | Pygmy Snowfly | S3 | G5 | | |
| <i>Alloperla leonarda</i> | Barbed Sallfly | S3 | G4 | | |
| <i>Amblyscirtes linda</i> | Truncate Sallfly | S3 | G4 | | |
| <i>Amblytropidia mysteca</i> | Linda's Roadside Skipper | S2S3 | G2G3 | | |
| <i>Amphiagrion saucium</i> | A Glade Grasshopper | SU | G5 | | |
| <i>Andrena beameri</i> | Eastern Red Damsel | S2 | G5 | | |
| <i>Argia alberta</i> | An Andrenid Bee | S3 | GNR | | |
| <i>Arigomphus maxwelli</i> | Paiute Dancer | S1 | G4 | | |
| <i>Arrhopalites clarus</i> | Bayou Clubtail | SU | G5 | | |
| <i>Attaneuria ruralis</i> | Clarus Cave Springtail | S3 | G4 | | |
| <i>Baetisca obesa</i> | Giant Stone | S3 | G4 | | |
| <i>Beameria venosa</i> | A Mayfly | S3 | G5 | | |
| <i>Bibloplectus chickasaw</i> | A Concealed-tymbal Cicada | S3 | GNR | | |
| <i>Bombus affinis</i> | A Staphylinid Beetle | SU | GNR | | |
| <i>Bombus fervidus</i> | Rusty Belt Bumblebee | SU | G1 | | |
| <i>Calephelis borealis</i> | Yellow Bumblebee | S1 | G4? | | |
| <i>Calephelis muticum</i> | Northern Metalmark | S1 | G3G4 | | |
| <i>Catocala marmorata</i> | Swamp Metalmark | S3 | G3 | | |
| <i>Catocala pretiosa texarkana</i> | Marbled Underwing Moth | S3 | G3G4 | | |
| <i>Ceratopsyche piatrix</i> | Precious Underwing Moth | S3? | G4T4 | | |
| <i>Chalybion zimmermanni</i> | A Net-spinning Caddisfly | S4 | G4 | | |
| <i>zimmermanni</i> | A Blue Mud Dauber | SU | GNRTNR | | |
| <i>Conocephalus saltans</i> | Prairie Meadow Katydid | S3 | GNR | | |
| <i>Cylindera celeripes</i> | Swift Tiger Beetle | S1 | G2G4 | | |

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| INSECTS (Cont.) | | | | | |
| <i>Deinopsis virginiana</i> | A Staphylinid Beetle | SU | GNR | | |
| <i>Derops divalis</i> | A Staphylinid Beetle | S3 | GNR | | |
| <i>Dichagyris reliqua</i> | A Noctuid Moth | S1 | G2G3 | | |
| <i>Dromochrous pruinina</i> | Loamy-ground Tiger Beetle | S1 | G3G4 | | |
| <i>Euphyes dukesi</i> | Duke's Skipper | S1 | G3 | | |
| <i>Formica creightoni</i> | Creighton's Slavemaking Ant | S3 | GNR | | |
| <i>Formica fossaceps</i> | Haystack Thatching Ant | S1 | GNR | | |
| <i>Formica querquetulana</i> | Oak-grove Ant | S1 | GNR | | |
| <i>Gennadota canadensis</i> | A Staphylinid Beetle | SU | GNR | | |
| <i>Glyphopsyche missouri</i> | Missouri Glyphopsyche Caddisfly | S1 | G1 | | |
| <i>Gomphus fraternus</i> | Midland Clubtail | SU | G5 | | |
| <i>Gomphus ventricosus</i> | Skillet Clubtail | SU | G3 | | |
| <i>Gryllotalpa major</i> | Prairie Mole Cricket | S3 | G3 | | |
| <i>Habroscelimorpha circumpicta johnsonii</i> | Saline Spring Tiger Beetle | S1 | G5T5 | | |
| <i>Hesperia ottoe</i> | Ottoe Skipper | S1 | G3G4 | | |
| <i>Hesperus stehri</i> | A Staphylinid Beetle | SU | GNR | | |
| <i>Hydroperla fugitans</i> | Austin Springfly | S3 | G3 | | |
| <i>Inscudderia taxodii</i> | Bald Cypress Katydid | S1 | GNR | | |
| <i>Isoperla burksi</i> | Banded Stripetail | S3 | G4 | | |
| <i>Isoperla longiseta</i> | Plains Stripetail | SX | G5 | | |
| <i>Lasia purpurata</i> | Purple Small-headed Fly | SU | GNR | | |
| <i>Leptysma marginicollis</i> | Cattail Toothpick Grasshopper | S2S3 | G5 | | |
| <i>Leucotrichia pictipes</i> | A Micro Caddisfly | S3 | G5 | | |
| <i>Libellula auripennis</i> | Golden-winged Skimmer | SU | G5 | | |
| <i>Lordithon niger</i> | A Staphylinid Beetle | S3 | GU | | |
| <i>Lytrosis permagnaria</i> | Geometrid Moth | SU | G3G4 | | |
| <i>Maccaffertium bednariki</i> | A Heptageniid Mayfly | S3 | G2G4 | | |
| <i>Melanoplus fasciatus</i> | Huckleberry Grasshopper | S3 | G5 | | |
| <i>Melanoplus impudicus</i> | Immodest Grasshopper | S3 | G4G5 | | |
| <i>Melanoplus packardii</i> | Packard's Grasshopper | S2 | G5 | | |
| <i>Melanoplus punctulatus griseus</i> | Grizzly Grasshopper | SU | G4T4 | | |
| <i>Melanoplus viridipes viridipes</i> | Green-legged Grasshopper | S3 | G4 | | |
| <i>Melissodes intorta</i> | A Callirhoe Bee | S1 | GNR | | |
| <i>Mermiria picta</i> | Mermiria Grasshopper | S3 | G5 | | |
| <i>Merope tuber</i> | A Meropid Scorpionfly | S3 | G3G5 | | |
| <i>Metalepta brevicornis</i> | Short-horned Grasshopper | S4 | G5 | | |
| <i>Nehalennia gracilis</i> | Sphagnum Sprite | S1? | G5 | | |
| <i>Nehalennia irene</i> | Sedge Sprite | S1 | G5 | | |
| <i>Neoconocephalus exiliscanorus</i> | Slightly-musical Conehead Katydid | S3 | GNR | | |
| <i>Neoconocephalus lyristes</i> | Bog Conehead Katydid | S1 | GNR | | |
| <i>Neoperla carlsoni</i> | Spiny Stone | S3? | G4 | | |
| <i>Neotrichia kitae</i> | Kite's Neotrichian Caddisfly | SU | GU | | |

| <u>SCIENTIFIC NAME</u> | <u>COMMON NAME</u> | <u>SRANK</u> | <u>GRANK</u> | <u>STATE STATUS</u> | <u>FEDERAL STATUS</u> |
|------------------------------------|--------------------------------|--------------|--------------|---------------------|-----------------------|
| INSECTS (Cont.) | | | | | |
| <i>Neotridactylus apicialis</i> | Larger Pygmy Grasshopper | SU | GNR | | |
| <i>Nicrophorus americanus</i> | American Burying Beetle | SH | G2G3 | E | E |
| <i>Ochrotrichia contorta</i> | Contorted Ochrotrichian | SU | G1G2 | | |
| | Micro Caddisfly | | | | |
| <i>Oecleus chrisjohni</i> | A Cixiid Planthopper | SU | GNR | | |
| <i>Oncopodura hoffi</i> | Hoff's Cave Springtail | S1S3 | G1G2 | | |
| <i>Oxybleptes kiteleyi</i> | A Staphylinid Beetle | SU | GNR | | |
| <i>Papilio joanae</i> | Ozark Woodland Swallowtail | SU | G3 | | |
| | | | | | |
| <i>Pardalophora saussurei</i> | A Glade Grasshopper | SU | G5 | | |
| <i>Paroxya hoosieri</i> | Hoosier Grasshopper | S1 | G5 | | |
| <i>Pentacora signoreti</i> | A Shore Bug | S1 | GNR | | |
| <i>Phoetaliotes nebrascensis</i> | Large-headed Grasshopper | S3 | G5 | | |
| <i>Phrixocnemis triculatus</i> | Truculent Camel Cricket | SU | GNR | | |
| <i>Phyllobrotica lengi</i> | A Leaf Beetle | SU | GNR | | |
| <i>Phyllobrotica nigritarsis</i> | A Leaf Beetle | SU | GNR | | |
| <i>Phyllobrotica physostegiae</i> | A Leaf Beetle | S4? | GNR | | |
| <i>Polyergus longicornis</i> | Long-horned Shining Amazon Ant | S1 | GNR | | |
| <i>Polyergus montivagus</i> | Foothills Shining Amazon Ant | S1 | GNR | | |
| <i>Polyergus ruber</i> | Ruby-red Shining Amazon Ant | S1 | GNR | | |
| <i>Polyergus sanwaldi</i> | Sanwald's Shining Amazon Ant | S1 | GNR | | |
| | | | | | |
| <i>Prostoia similis</i> | Longhorn Forestfly | S3 | G5 | | |
| <i>Pseudomasaris occidentalis</i> | A Pollen Wasp | S3 | GNR | | |
| <i>Pseudosinella espana</i> | Espana Cave Springtail | S3 | G2G3 | | |
| <i>Psinidia fenestralis</i> | Sand Grasshopper | S2S3 | G5 | | |
| <i>Satyrodes appalachia leeuwi</i> | Appalachian Eyed Brown | S1 | G4T4 | | |
| <i>Sepedophilus campbelli</i> | A Staphylinid Beetle | SU | GNR | | |
| <i>Serratella frisoni</i> | Frison's Seratellan Mayfly | S2 | G4 | | |
| <i>Sinella avita</i> | Avita Cave Springtail | SU | G3G4 | | |
| <i>Sinella barri</i> | Barr's Cave Springtail | SU | G5 | | |
| <i>Somatochlora hineana</i> | Hine's Emerald | S2 | G2G3 | E | E |
| <i>Somatochlora ozarkensis</i> | Ozark Emerald | SU | G3 | | |
| <i>Somatochlora provocans</i> | Treetop Emerald | S1 | G4 | | |
| <i>Speyeria diana</i> | Diana Fritillary | SA | G3G4 | | |
| <i>Speyeria idalia</i> | Regal Fritillary | S3 | G3 | | |
| <i>Stethophyma celatum</i> | Sedge Grasshopper | S3 | G4 | | |
| <i>Stylurus intricatus</i> | Brimstone Clubtail | S1S2 | G4 | | |
| <i>Stylurus notatus</i> | Elusive Clubtail | S2S3 | G3 | | |
| <i>Telebasis byersi</i> | Duckweed Firetail | S1 | G5 | | |
| <i>Telebasis salva</i> | Desert Firetail | SU | G5 | | |
| <i>Tettigidea armata</i> | Spined Grouse Locust | S2S3 | G5 | | |
| <i>Tomocerus missus</i> | Missus Cave Springtail | SU | G4 | | |
| <i>Trimerotropis maritima</i> | Seaside Grasshopper | SH | G5 | | |
| <i>Xenochalepus potomaca</i> | A Leaf Beetle | SU | GNR | | |

| <u>SCIENTIFIC NAME</u> | <u>COMMON NAME</u> | <u>SRANK</u> | <u>GRANK</u> | <u>STATE STATUS</u> | <u>FEDERAL STATUS</u> |
|----------------------------------|-------------------------------------|--------------|--------------|---------------------|-----------------------|
| INSECTS (Cont.) | | | | | |
| Xenotrechus condei | Northern Xenotrechus Cave Beetle | S1 | G1G2 | | |
| Xenotrechus denticollis | Southern Xenotrechus Cave Beetle | S1 | G1G2 | | |
| Xylodromus capito | A Staphylinid Beetle | SU | GNR | | |
| Total Insect Records: 114 | | | | | |
| FISH | | | | | |
| Acipenser fulvescens | Lake Sturgeon | S1 | G3G4 | E | |
| Alosa alabamae | Alabama Shad | S2 | G2G3 | | |
| Alosa chrysochloris | Skipjack Herring | SU | G5 | | |
| Amblyopsis rosae | Ozark Cavefish | S2 | G3 | E | T |
| Ameiurus nebulosus | Brown Bullhead | S3? | G5 | | |
| Ammocrypta clara | Western Sand Darter | S2S3 | G3 | | |
| Ammocrypta vivax | Scaly Sand Darter | S3 | G5 | | |
| Anguilla rostrata | American Eel | SU | G4 | | |
| Atractosteus spatula | Alligator Gar | S1 | G3G4 | | |
| Carpoides velifer | Highfin Carpsucker | S2 | G4G5 | | |
| Centrarchus macropterus | Flier | S3 | G5 | | |
| Cottus specus | Grotto Sculpin | S1 | G2 | | E |
| Crystallaria asprella | Crystal Darter | S1 | G3 | E | |
| Cyprinella camura | Bluntnose Shiner | S2S3 | G5 | | |
| Erimyzon suetta | Lake Chubsucker | S2 | G5 | | |
| Etheostoma cragini | Arkansas Darter | S3S4 | G3G4 | | C |
| Etheostoma euzonum erizorum | Current Saddled Darter | S3 | G3G4T3T4 | | |
| Etheostoma euzonum euzonum | Arkansas Saddled Darter | S2 | G3G4T3T4 | | |
| Etheostoma fusiforme | Swamp Darter | S1 | G5 | E | |
| Etheostoma histrio | Harlequin Darter | S2 | G5 | E | |
| Etheostoma microperca | Least Darter | S2 | G5 | | |
| Etheostoma nianguae | Niangua Darter | S2 | G2 | E | T |
| Etheostoma parvipinne | Goldstripe Darter | S1 | G4G5 | E | |
| Etheostoma whipplei | Redfin Darter | S1 | G4 | E | |
| Forbesichthys agassizii | Spring Cavefish | S1 | G4 | E | |
| Fundulus chrysotus | Golden Topminnow | S1 | G5 | | |
| Fundulus dispar | Starhead Topminnow | S2 | G4 | | |
| Fundulus kansasae | Northern Plains Killifish | S2 | G5 | | |
| Fundulus sciadicus | Plains Topminnow | S3 | G4 | | |
| Hybognathus argyratus | Western Silvery Minnow | S2 | G4 | | |
| Hybognathus hankinsoni | Brassy Minnow | S3 | G5 | | |
| Hybognathus hayi | Cypress Minnow | S1 | G4G5 | E | |
| Hybognathus nuchalis | Mississippi Silvery Minnow | S3S4 | G5 | | |
| Hybognathus placitus | Plains Minnow | S2 | G4 | | |
| Hybopsis amnis | Pallid Shiner | SX | G4 | | |
| Ichthyomyzon gagei | Southern Brook Lamprey | S2S3 | G5 | | |
| Lepomis marginatus | Dollar Sunfish | S2 | G5 | | |
| Lepomis symmetricus | Bantam Sunfish | S2 | G5 | | |
| Lethenteron appendix | American Brook Lamprey | S2 | G4 | | |

| <u>SCIENTIFIC NAME</u> | <u>COMMON NAME</u> | <u>SRANK</u> | <u>GRANK</u> | <u>STATE STATUS</u> | <u>FEDERAL STATUS</u> |
|--------------------------------------|---------------------|--------------|--------------|---------------------|-----------------------|
| FISH (Cont.) | | | | | |
| <i>Macrhybopsis gelida</i> | Sturgeon Chub | S3 | G3 | | |
| <i>Mugil cephalus</i> | Striped Mullet | SA | G5 | | |
| <i>Notropis buchanani</i> | Ghost Shiner | S2 | G5 | | |
| <i>Notropis chalybaeus</i> | Ironcolor Shiner | S1 | G4 | | |
| <i>Notropis heterolepis</i> | Blacknose Shiner | S2 | G4 | | |
| <i>Notropis maculatus</i> | Taillight Shiner | S1 | G5 | E | |
| <i>Notropis ozarcana</i> | Ozark Shiner | S2 | G3 | | |
| <i>Notropis sabinae</i> | Sabine Shiner | S1 | G4 | E | |
| <i>Notropis texanus</i> | Weed Shiner | S3 | G5 | | |
| <i>Notropis topeka</i> | Topeka Shiner | S1 | G3 | E | E |
| <i>Noturus eleutherus</i> | Mountain Madtom | S1S2 | G4 | E | |
| <i>Noturus flavater</i> | Checkered Madtom | S3S4 | G3G4 | | |
| <i>Noturus placidus</i> | Neosho Madtom | S1 | G2 | E | T |
| <i>Opsopoeodus emiliae</i> | Pugnose Minnow | S4 | G5 | | |
| <i>Percina copelandi</i> | Channel Darter | S3 | G4 | | |
| <i>Percina cymatotaenia</i> | Bluestripe Darter | S2 | G2 | | |
| <i>Percina nasuta</i> | Longnose Darter | S1 | G3 | E | |
| <i>Percina shumardi</i> | River Darter | S3 | G5 | | |
| <i>Percina uranidea</i> | Stargazing Darter | S2 | G3 | | |
| <i>Percopsis omiscomaycus</i> | Trout-perch | S1? | G5 | | |
| <i>Pimephales tenellus parviceps</i> | Eastern Slim Minnow | S2S3 | G4T2T3 | | |
| <i>Pimephales tenellus tenellus</i> | Western Slim Minnow | S3 | G4T4 | | |
| <i>Platygobio gracilis</i> | Flathead Chub | S1 | G5 | E | |
| <i>Scaphirhynchus albus</i> | Pallid Sturgeon | S1 | G2 | E | E |
| <i>Typhlichthys subterraneus</i> | Southern Cavefish | S2S3 | G4 | | |
| <i>Umbra limi</i> | Central Mudminnow | S1 | G5 | E | |

Total Fish Records: 65

AMPHIBIANS

| | | | | | |
|---|--------------------------|------|----------|---|---|
| <i>Ambystoma annulatum</i> | Ringed Salamander | S3 | G4 | | |
| <i>Ambystoma talpoideum</i> | Mole Salamander | S2 | G5 | | |
| <i>Ambystoma tigrinum</i> | Eastern Tiger Salamander | S3 | G5 | | |
| <i>Amphiuma tridactylum</i> | Three-toed Amphiuma | S2 | G5 | | |
| <i>Anaxyrus cognatus</i> | Great Plains Toad | S3 | G5 | | |
| <i>Cryptobranchus alleganiensis alleganiensis</i> | Eastern Hellbender | S1 | G3G4T3T4 | E | |
| <i>Cryptobranchus alleganiensis bishopi</i> | Ozark Hellbender | S1 | G3G4T2Q | E | E |
| <i>Eurycea spelaea</i> | Grotto Salamander | S2S3 | G4 | | |
| <i>Hemidactylium scutatum</i> | Four-toed Salamander | S4 | G5 | | |
| <i>Lithobates areolatus circulosus</i> | Northern Crawfish Frog | S3 | G4T4 | | |
| <i>Lithobates pipiens</i> | Northern Leopard Frog | S2 | G5 | | |
| <i>Lithobates sylvaticus</i> | Wood Frog | S3 | G5 | | |
| <i>Pseudacris illinoensis</i> | Illinois Chorus Frog | S2 | G3 | | |
| <i>Scaphiopus holbrookii</i> | Eastern Spadefoot | S2 | G5 | | |

Total Amphibian Records: 14

| <u>SCIENTIFIC NAME</u> | <u>COMMON NAME</u> | <u>SRANK</u> | <u>GRANK</u> | <u>STATE STATUS</u> | <u>FEDERAL STATUS</u> |
|---|------------------------------|--------------|--------------|---------------------|-----------------------|
| REPTILES | | | | | |
| <i>Cemophora coccinea copei</i> | Northern Scarlet Snake | S2S3 | G5T5 | | |
| <i>Clonophis kirtlandii</i> | Kirtland's Snake | S1 | G2 | | |
| <i>Crotaphytus collaris</i> | Eastern Collared Lizard | S4 | G5 | | |
| <i>Deirochelys reticularia miaria</i> | Western Chicken Turtle | S1 | G5T5 | E | |
| <i>Emydoidea blandingii</i> | Blanding's Turtle | S1 | G4 | E | |
| <i>Farancia abacura reinwardtii</i> | Western Mudsnake | S2 | G5T5 | | |
| <i>Heterodon gloydi</i> | Dusty Hog-nosed Snake | S1 | G5T3T4Q | | |
| <i>Heterodon nasicus</i> | Plains Hog-nosed Snake | SX | G5 | | |
| <i>Kinosternon flavescens</i> | Yellow Mud Turtle | S1 | G5 | E | |
| <i>Macrochelys temminckii</i> | Alligator Snapping Turtle | S2 | G3G4 | | |
| <i>Nerodia cyclopion</i> | Mississippi Green Watersnake | SX | G5 | E | |
| <i>Opheodrys vernalis</i> | Smooth Greensnake | SX | G5 | | |
| <i>Pantherophis ramspotti</i> | Western Foxsnake | S1 | G5 | | |
| <i>Pantherophis vulpinus</i> | Eastern Foxsnake | S1 | G5 | | |
| <i>Phrynosoma cornutum</i> | Texas Horned Lizard | S2 | G4G5 | | |
| <i>Pituophis catenifer sayi</i> | Bullsnake | SU | G5T5 | | |
| <i>Plestiodon obsoletus</i> | Great Plains Skink | S2 | G5 | | |
| <i>Plestiodon septentrionalis obtusirostris</i> | Southern Prairie Skink | S3 | G5T5 | | |
| <i>Plestiodon septentrionalis septentrionalis</i> | Northern Prairie Skink | S3 | G5T5 | | |
| <i>Sistrurus catenatus</i> | Eastern Massasauga | SX | G3G4 | E | T |
| <i>Sistrurus tergeminus tergeminus</i> | Prairie Massasauga | S1 | GNR | E | |
| Total Reptile Records: 21 | | | | | |

BIRDS (See Appendix A for Tracking Criteria)

| | | | | | |
|-----------------------------------|-------------------------|----|----|---|---|
| <i>Accipiter striatus</i> | Sharp-shinned Hawk | S2 | G5 | | |
| <i>Anhinga anhinga</i> | Anhinga | SU | G5 | | |
| <i>Antigone canadensis</i> | Sandhill Crane | S1 | G5 | | |
| <i>Ardea alba</i> | Great Egret | S3 | G5 | | |
| <i>Asio flammeus</i> | Short-eared Owl | S2 | G5 | | |
| <i>Asio otus</i> | Long-eared Owl | SU | G5 | | |
| <i>Athene cunicularia</i> | Burrowing Owl | SX | G4 | | |
| <i>Bonasa umbellus</i> | Ruffed Grouse | SU | G5 | | |
| <i>Botaurus lentiginosus</i> | American Bittern | S1 | G4 | E | |
| <i>Buteo swainsoni</i> | Swainson's Hawk | S2 | G5 | | |
| <i>Campephilus principalis</i> | Ivory-billed Woodpecker | SX | G1 | | E |
| <i>Certhia americana</i> | Brown Creeper | SU | G5 | | |
| <i>Chlidonias niger</i> | Black Tern | SX | G4 | | |
| <i>Circus cyaneus</i> | Northern Harrier | S2 | G5 | E | |
| <i>Cistothorus palustris</i> | Marsh Wren | S3 | G5 | | |
| <i>Coragyps atratus</i> | Black Vulture | S3 | G5 | | |
| <i>Corvus corax</i> | Common Raven | SX | G5 | | |
| <i>Coturnicops noveboracensis</i> | Yellow Rail | SU | G4 | | |
| <i>Cygnus buccinator</i> | Trumpeter Swan | S1 | G4 | | |
| <i>Egretta caerulea</i> | Little Blue Heron | S3 | G5 | | |
| <i>Egretta thula</i> | Snowy Egret | S1 | G5 | E | |

| <u>SCIENTIFIC NAME</u> | <u>COMMON NAME</u> | <u>SRANK</u> | <u>GRANK</u> | <u>STATE STATUS</u> | <u>FEDERAL STATUS</u> |
|--------------------------------------|------------------------------|--------------|--------------|---------------------|-----------------------|
| BIRDS (Cont.) | | | | | |
| <i>Elanoides forficatus</i> | Swallow-tailed Kite | SX | G5 | | |
| <i>Empidonax minimus</i> | Least Flycatcher | SU | G5 | | |
| <i>Falco peregrinus</i> | Peregrine Falcon | S1 | G4 | E | |
| <i>Gallinula galeata</i> | Common Gallinule | S2 | G5 | | |
| <i>Geococcyx californianus</i> | Greater Roadrunner | S3 | G5 | | |
| <i>Haliaeetus leucocephalus</i> | Bald Eagle | S3 | G5 | | |
| <i>Ictinia mississippiensis</i> | Mississippi Kite | S3 | G5 | | |
| <i>Ixobrychus exilis</i> | Least Bittern | S3 | G5 | | |
| <i>Lanius ludovicianus</i> | Loggerhead Shrike | S2 | G4 | | |
| <i>Laterallus jamaicensis</i> | Black Rail | SU | G4 | | |
| <i>Limnothlypis swainsonii</i> | Swainson's Warbler | S2 | G4 | E | |
| <i>Nycticorax nycticorax</i> | Black-crowned Night-heron | S3 | G5 | | |
| <i>Pandion haliaetus</i> | Osprey | S2 | G5 | | |
| <i>Passerina ciris</i> | Painted Bunting | S3 | G5 | | |
| <i>Peucaea aestivalis</i> | Bachman's Sparrow | S1 | G3 | E | |
| <i>Picoides borealis</i> | Red-cockaded Woodpecker | SX | G3 | | E |
| <i>Porzana carolina</i> | Sora | S2 | G5 | | |
| <i>Rallus elegans</i> | King Rail | S1 | G4 | E | |
| <i>Rallus limicola</i> | Virginia Rail | S2 | G5 | | |
| <i>Setophaga cerulea</i> | Cerulean Warbler | S2S3 | G4 | | |
| <i>Setophaga pensylvanica</i> | Chestnut-sided Warbler | SU | G5 | | |
| <i>Setophaga virens</i> | Black-throated Green Warbler | SU | G5 | | |
| <i>Sitta pusilla</i> | Brown-headed Nuthatch | SX | G5 | | |
| <i>Spinus pinus</i> | Pine Siskin | SU | G5 | | |
| <i>Sterna antillarum athalassos</i> | Interior Least Tern | S1 | G4T2Q | E | E |
| <i>Tympanuchus cupido</i> | Greater Prairie-chicken | S1 | G4 | E | |
| <i>Tyto alba</i> | Barn Owl | S3 | G5 | | |
| <i>Vermivora bachmanii</i> | Bachman's Warbler | SX | GH | | E |
| <i>Xanthocephalus xanthocephalus</i> | Yellow-headed Blackbird | S3 | G5 | | |
| Total Bird Records: 50 | | | | | |

MAMMALS

| | | | | | |
|---------------------------------------|--------------------------------|----|--------|---|---|
| <i>Bison bison</i> | American Bison | SX | G4 | | |
| <i>Canis lupus</i> | Gray Wolf | SX | G4G5 | E | |
| <i>Canis rufus</i> | Red Wolf | SX | G1Q | E | |
| <i>Cervus elaphus</i> | Elk or Wapiti | S? | G5 | | |
| <i>Corynorhinus rafinesquii</i> | Rafinesque's Big-eared Bat | S1 | G3G4 | | |
| <i>Corynorhinus townsendii ingens</i> | Ozark Big-eared Bat | SX | G3G4T1 | E | E |
| <i>Ictidomys tridecemlineatus</i> | Thirteen-lined Ground Squirrel | S2 | G5 | | |
| <i>Lasionycteris noctivagans</i> | Silver-haired Bat | S3 | G5 | | |
| <i>Lasiurus seminolus</i> | Seminole Bat | SA | G5 | | |
| <i>Lepus californicus</i> | Black-tailed Jackrabbit | S1 | G5 | E | |
| <i>Lepus townsendii</i> | White-tailed Jackrabbit | SX | G5 | | |
| <i>Mustela frenata</i> | Long-tailed Weasel | S3 | G5 | | |
| <i>Mustela nivalis</i> | Least Weasel | S3 | G5 | | |

| <u>SCIENTIFIC NAME</u> | <u>COMMON NAME</u> | <u>SRANK</u> | <u>GRANK</u> | <u>STATE STATUS</u> | <u>FEDERAL STATUS</u> |
|--------------------------------------|-----------------------------|--------------|--------------|---------------------|-----------------------|
| MAMMALS (Cont.) | | | | | |
| <i>Myotis austroriparius</i> | Southeastern Myotis | S1 | G3G4 | | |
| <i>Myotis grisescens</i> | Gray Myotis | S3 | G3 | E | E |
| <i>Myotis leibii</i> | Eastern Small-footed Myotis | S2 | G1G3 | | |
| <i>Myotis lucifugus</i> | Little Brown Myotis | S3 | G3 | | |
| <i>Myotis septentrionalis</i> | Northern Long-eared Myotis | S2 | G1G2 | E | T |
| <i>Myotis sodalis</i> | Indiana Myotis | S1 | G2 | E | E |
| <i>Ochrotomys nuttalli</i> | Golden Mouse | S3 | G5 | | |
| <i>Oryzomys palustris</i> | Marsh Rice Rat | SU | G5 | | |
| <i>Perognathus flavescens</i> | Plains Pocket Mouse | S1 | G5 | | |
| <i>Peromyscus gossypinus</i> | Cotton Mouse | S2 | G5 | | |
| <i>Poliocitellus franklinii</i> | Franklin's Ground Squirrel | S2S3 | G5 | | |
| <i>Puma concolor</i> | Mountain Lion | SX | G5 | | |
| <i>Reithrodontomys montanus</i> | Plains Harvest Mouse | S2 | G5 | | |
| <i>Spilogale putorius interrupta</i> | Plains Spotted Skunk | S1 | G5T4 | E | |
| <i>Sylvilagus aquaticus</i> | Swamp Rabbit | S2 | G5 | | |
| <i>Tadarida brasiliensis</i> | Brazilian Free-tailed Bat | SA | G5 | | |
| <i>Taxidea taxus</i> | American Badger | S3 | G5 | | |

Total Mammal Records: 30

Total Records Processed: 1145

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Taxonomic Authority:

Yatskievych, G. 1999. Steyermark's Flora of Missouri, Vol. 1, Revised ed. Missouri Department of Conservation. Jefferson City, Missouri. 1991 pp.

FLOWERING PLANTS

Taxonomic Authority:

Flora of Missouri Database. 2009. Flora of Missouri Project. Missouri Botanical Garden. St. Louis, Missouri.

FLOWERING PLANTS (Cont.)

For Additional Information:

Denison, E. 2008. Missouri wildflowers: a field guide to wildflowers of Missouri. Sixth ed. Missouri Department of Conservation. Jefferson City, Missouri. 280 pp.

Smith, T.E. 2000. Missouri plants of conservation concern. Missouri Department of Conservation. Jefferson City, Missouri. 47pp.

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Yatskievych, G. 1999. Steyermark's Flora of Missouri, Vol. 1, Revised ed. Missouri Department of Conservation. Jefferson City, Missouri. 1991 pp.

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For Additional Information:

Huggins, D.G., P.M. Liechti and L.C. Ferrington, Jr ., eds. 1985. Guide to the freshwater invertebrates of the Midwest. Kansas Biological Survey, Technical Publication No. 11. 221 pp.

MOLLUSKS

Taxonomic Authority:

Turgeon, D.D., A.E. Bogan, E.V. Coan, W.K. Emerson, W.G. Lyons, W.L. Pratt, C.F.E. Roper, A. Scheltama, F.G. Thompson and J.D. Williams. 1998. Common and scientific names of aquatic invertebrates from the United States and Canada: mollusks, 2nd ed. American Fisheries Society Special Publication No. 26. 526 pp.

For Additional Information:

Johnson, P.D., A.E. Bogan, K.M. Brown, N.M. Burkhead, J.R. Cordeiro, J.T. Garner, P.D. Hartfield, D.A.W. Lepitzki, G.L. Mackie, E. Pip, T.A. Tarpley, J.S. Tiemann, N.V. Whelan, and E.E. Strong. 2013. Conservation status of freshwater gastropods of Canada and the United States. *Fisheries* 38(6):247-282.

McMurray, S.E., J.S. Faiman, A. Roberts, B. Simmons, and M.C. Barnhart. 2012. A guide to Missouri's freshwater mussels. Missouri Department of Conservation, Jefferson City, MO.

Oesch, R.D. 1995. Missouri naiades: a guide to the mussels of Missouri. Missouri Department of Conservation. Jefferson City, Missouri. 270 pp.

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Taxonomic Authority:

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For Additional Information:

Pflieger, W.L. 1996. The crayfishes of Missouri. Missouri Department of Conservation. Jefferson City, Missouri. 152 pp.

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Taxonomic Authority:

Poole, R.W. and P. Gentili (Eds.). 1996-97. *Nomina insecta nearctica*. A checklist of the insects of North America. Entomological Information Services. Rockville, M.D. Four volumes.

For Additional Information:

Heitzman, J.R. and J.E. Heitzman. 1987. Butterflies and moths of Missouri. Missouri Department of Conservation. Jefferson City, Missouri. 385 pp.

FISH

Taxonomic Authority:

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For Additional Information:

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Taxonomic Authority:

Crother, B.I. (ed) and Committee. 2014. Scientific and Standard English Names of Amphibians and Reptiles of North America North of Mexico, with comments regarding confidence in our understanding. Society for the Study of Amphibians and Reptiles. Web Access. September 2014, <http://ssarherps.org/publications/north-american-checklist/north-american-checklist-of-scientific-and-common-names/>.

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Taxonomic Authority:

American Ornithologists' Union. 1998. Check-list of North American birds, 7th Edition. American Ornithologist's Union. Washington, D.C. 829 pp.

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For Additional Information:

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Taxonomic Authority:

Wilson, D.E. & DeeAnn M. Reeder (editors). 2005. Mammal species of the world. A taxonomic and geographic reference (3rd ed), Johns Hopkins University Press, 2,142 pp.

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FOR MORE INFORMATION

MDC collects and manages information on the location and status of species and natural communities of conservation concern throughout the state. The Missouri Natural Heritage Database is a repository for this information.

If you have information on the location or questions about the status of any element on this *Checklist*, please write or call:

Heritage Coordinator
Missouri Department of Conservation
P.O. Box 180
2901 W Truman Blvd
Jefferson City, MO 65109
(573) 522-4115

If you are requesting information about the location of any element on this *Checklist* for the purposes of environmental review, please write:

Policy Coordination
Missouri Department of Conservation
P.O. Box 180
Jefferson City, MO 65109

WEBPAGE

This checklist is updated annually. The most current version is always available by contacting MDC, Resource Science Division. *Checklist* information is also available on MDC's website:
<http://mdc.mo.gov/145>.

CITATION

An appropriate citation for this edition of the *Checklist* is:

Missouri Natural Heritage Program. 2017. Missouri species and communities of conservation concern checklist. Missouri Department of Conservation. Jefferson City, Missouri. pp. 52.

APPENDIX A
BIRD SPECIES TRACKED IN MONHP AND THEIR CRITERIA FOR EORS
Updated October 5, 2016

| Species (ranks) | Regions | Criteria (safe dates), comments |
|---|------------------------|--------------------------------------|
| Anseriformes (Ducks, geese, swans) | | |
| Trumpeter Swan (S1, G4) | All (NE, NW) | 1 |
| Galliformes (chicken-like birds) | | |
| Ruffed Grouse (SU, G5) | CE, OZ, SL, SE | 1 |
| Greater Prairie-chicken (S1, G4) | SW, KC, NW, NE | Anytime observed |
| Suliformes (anhinga) | | |
| Anhinga (SX, G5) | SE | 1 |
| Pelecaniformes (herons, egrets, storks, ibises) | | |
| American Bittern (S1, G4) | All | 1- extensive emergent marshes |
| Least Bittern (S3, G5) | All | 1,2 (5/25-8/1) |
| Great Egret (S3, G5) | All (SE) | 1 |
| Snowy Egret (S1, G5) | SE | 1 |
| Little Blue Heron (S3, G5) | SE, SL | 1 |
| Black-crowned Night-Heron (S3, G5) | All (SE) | 1 |
| Accipitriformes (hawks, eagles, kites, vultures) | | |
| Black Vulture (S3, G5) | OZ, SE | 1 |
| Osprey (S2, G5) | All (confirmed NE, SW) | 1- Any large open body of water |
| Swallow-tailed Kite (SX, G5) | SE | 1- Formerly SE, large rivers |
| Mississippi Kite (S3, G5) | All (SE, SL, NE) | 1- Expanding range |
| Bald Eagle (S3, G4) | All | 1- Any large open body of water |
| Northern Harrier (S2, G5) | All (except OZ, SE) | 1 |
| Sharp-shinned Hawk (S2, G5) | All | 1 |
| Swainson's Hawk (S2, G5) | SW, KC | 1 |
| Gruiformes (rails, cranes) | | |
| Yellow Rail (SU, G4) | All | Anytime observed (migrant) |
| Black Rail (S1, G4) | All | Anytime observed, large marshes |
| King Rail (S1, G4G5) | All (SE, SL, NE) | 1,2 (5/30-7/31) |
| Virginia Rail (S2, G5) | All | 1,2 (5/15-8/1) |
| Sora (S2, G5) | All | 1,2 (5/30-7/31) |
| Common Gallinule (S2, G5) | All (except OZ) | 1,2 (5/30-8/31) |
| Sandhill Crane (S1, G5) | NE, NW, CE, SL | 1 |
| Charadriiformes (gulls, terns, shorebirds) | | |
| Interior Least Tern (S1, G4T2Q) | SE | 1- Formerly along MS, MO Rivers |
| Black Tern (SX, G4) | NW | 1 |
| Cuculiformes (cuckoos, roadrunners) | | |
| Greater Roadrunner (S3, G5) | SW, OZ | 1 |
| Strigiformes (Owls) | | |
| Barn Owl (S3, G5) | All (SE) | 1,2 (5/25-8/15) |
| Burrowing Owl (SX, G4) | NW | 1 |
| Long-eared Owl (SU, G5) | All | 1-Forests, dense thickets near water |
| Short-eared Owl (S2, G5) | SW, NW, NE, KC | 1,2 (5/1-8/31) |

Piciformes (Woodpeckers)

| | | |
|----------------------------------|--------|------------------|
| Red-cockaded Woodpecker (SX, G3) | OZ, SE | Anytime observed |
| Ivory-billed Woodpecker (SX, G1) | All | Anytime observed |

Falconiformes (falcons)

| | | |
|---------------------------|--------|-----------------------------------|
| Peregrine Falcon (S1, G4) | SL, KC | 1- Formerly along MO river bluffs |
|---------------------------|--------|-----------------------------------|

Passeriformes (perching birds)

| | | |
|---------------------------------------|-------------------------|------------------|
| Least Flycatcher (SU, G5) | NE, NW | 1,2 (5/27-7/7) |
| Loggerhead Shrike (S2, G5) | All (SW, KC, NW) | 1,2 (4/20-7/20) |
| Common Raven (SX, G5) | All | Anytime observed |
| Brown-headed Nuthatch (SX, G5) | OZ, SE | Anytime observed |
| Brown Creeper (SU, G5) | SL, NE, OZ | 1,2 (5/15-9/15) |
| Marsh Wren (S3, G5) | All (except SW, SE, OZ) | 1,2 (5/25-8/25) |
| Bachman's Warbler (SX, GH) | All | Anytime observed |
| Swainson's Warbler (S2, G4) | SE, OZ, SW | 1,2 (5/25-8/15) |
| Cerulean Warbler (S2S3, G4) | All (OZ) | 1,2 (6/1-8/10) |
| Chestnut-sided Warbler (S3, G5) | All | 1,2 (6/1-8/10) |
| Black-throated Green Warbler (SU, G5) | SE | 1 |
| Bachman's Sparrow (S1, G3) | OZ, SW, SE | 1,2 (6/1-8/15) |
| Painted Bunting (S3, G5) | SW, OZ | 1,2 (5/25-8/1) |
| Yellow-headed Blackbird (S3, G5) | NW (possible anywhere) | 1 |
| Pine Siskin (SU, G5) | All | 1 |

MDC Region abbreviations (Regions listed are those in which the species is most likely to be recorded).

| | |
|---------------|-----------------|
| CE- Central | KC- Kansas City |
| NE- Northeast | NW- Northwest |
| OZ- Ozark | SL- St. Louis |
| SE- Southeast | SW- Southwest |

**Explanation of Criteria****1. Confirmed breeding. Evidenced one or more of the following:**

- Nest building (except wrens and woodpeckers)
- Nest with egg(s) or young (seen or heard)
- Used nest or eggshells
- Physiological evidence of breeding based upon bird in hand (e.g. brood patch)
- Distraction display or injury feigning
- Recently fledged young
- Adults entering or leaving nest site in circumstances indicating nesting
- Adult carrying fecal sac
- Adult carrying food

2. Probable breeding (valid only between safe dates)

- Male and female seen together (not part of a flock)
- Bird holding territory
- Seven or more singing males detected in one visit
- Courtship or copulation
- Visiting probable nest site
- Agitated behavior or anxiety call (not provoked by observer)
- Nest building by wrens or woodpeckers

3. Possible breeding (valid only between safe dates)

- Species heard or seen in breeding habitat
- Species heard or seen but not in breeding habitat

PLANTS OF CONSERVATION CONCERN REPORTING FORM

Complete relevant fields for which you have information

HERITAGE BIOLOGIST AND LAB USE ONLY

EO Report Status (check one): New _____ Update with mapping _____ Update without mapping _____
EO ID: _____ EONUM: _____ ELCODE: _____ Fed Status: _____ State Status: _____ SRANK: _____
Heritage mapper: _____ Heritage map QC'er: _____ Heritage Biologist: _____
Heritage mapping date: _____ Heritage map QC date: _____ Heritage Biologist Date: _____

ELEMENT IDENTIFICATION and LOCATION

Scientific Name: _____ Common Name: _____

Survey Site Name: _____

Directions to the survey site: _____

County(ies): _____

USGS Quadrangle name(s): _____

Township: _____ Range: _____ Section: _____ Quarter Sections: _____

GPS should be in NAD83, zone 15. If not, indicate: NAD _____ Zone _____

UTM: Easting (X) _____ OR: Latitude (N) _____

Northing (Y) _____ Longitude (W) _____

Explanation of possible GPS unit inaccuracy: _____

MAPPING

Attach a map with the species' location clearly marked in hard copy, digital, or shapefile format. No county maps, please.

Person who marked the map (last name, first name): _____

Locational Uncertainty (buffer radius): The mapped location is within _____ Meters OR _____ Feet OR _____ Miles

ELEMENT OCCURRENCE SURVEY INFORMATION

Survey Date (yyyy-mm-dd): _____ Observer(s) (last name, first name): _____

Abundance (actual and/or estimated number observed): _____

Condition (plants sterile, in bud, flower or fruit, evidence of disease, predation, or exotics): _____

Person hours searching for Element: _____

Specimen or photograph taken (collector/photographer, collection #, year, acquisition number and repository): _____

General Habitat Description: _____

CONSERVATION INFORMATION

Managed Area Name(s): _____

Is EO completely within boundaries of Managed Area(s)? Yes OR Partially

Owner(s): _____

Owner Comments (include address/phone number and other relevant comments): _____

Management Comments (needs for management, protection, monitoring, and/or research): _____

General Comments (include any associated species and/or any other relevant information): _____

Form completed by (last name, first name): _____ Date: _____

Thank you for your assistance in helping maintain the Missouri Natural Heritage Program.

Return to: Resource Science Division – Heritage Botanist, Missouri Department of Conservation,
P.O. Box 180, Jefferson City, Missouri 65102. (573) 522-4115

HERITAGE BIOLOGIST USE ONLY

EO Rank: _____ Origin Subrank: _____ EO Rank Comments: _____

Reference(s) (include contact information for any new references): _____

Version Author (last name, first name): _____

ANIMALS OF CONSERVATION CONCERN REPORTING FORM

Complete relevant fields for which you have information

HERITAGE BIOLOGIST AND LAB USE ONLY

EO Report Status (check one): New _____ Update with mapping _____ Update without mapping _____
EO ID: _____ EONUM: _____ ELCODE: _____ Fed Status: _____ State Status: _____ SRANK: _____
Heritage mapper: _____ Heritage map QC'er: _____ Heritage Biologist: _____
Heritage mapping date: _____ Heritage map QC date: _____ Heritage Biologist Date: _____

ELEMENT IDENTIFICATION and LOCATION

Scientific Name: _____ Common Name: _____

Survey Site Name: _____

Directions to the survey site: _____

County(ies): _____

USGS Quadrangle name(s): _____

Township: _____ Range: _____ Section: _____ Quarter Sections: _____

GPS should be in NAD83, zone 15. If not, indicate: NAD _____ Zone _____

UTM: Easting (X) _____ OR: Latitude (N) _____

Northing (Y) _____ Longitude (W) _____

Explanation of possible GPS unit inaccuracy: _____

MAPPING

Attach a map with the species' location clearly marked in hard copy, digital, or shapefile format. No county maps, please.

Person who marked the map (last name, first name): _____

Locational Uncertainty (buffer radius): The mapped location is within _____ Meters OR _____ Feet OR _____ Miles

ELEMENT OCCURRENCE SURVEY INFORMATION

Survey Date (yyyy-mm-dd): _____ Observer(s) (last name, first name): _____

Abundance (actual and/or estimated number observed): _____

Condition (evidence of reproduction, disease, predation, injury, etc. For cave species, indicate hibernaculum, maternity, etc.): _____

External Measurements: _____

Person hours searching for Element: _____

Sampling Methodology (traps, seining, call count, etc.): _____

Specimen or photograph taken (collector/photographer, collection #, year, acquisition number and repository): _____

General Habitat Description: _____

CONSERVATION INFORMATION

Managed Area Name(s): _____

Is EO completely within boundaries of Managed Area(s)? Yes OR Partially

Owner(s): _____

Owner Comments (include address/phone number and other relevant comments): _____

Management Comments (needs for management, protection, monitoring, and/or research): _____

General Comments (include any associated species and/or any other relevant information): _____

Form completed by (last name, first name): _____ Date: _____

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EO Rank: _____ Origin Subrank: _____ EO Rank Comments: _____

Bat Biological Use: _____

Reference(s) (include contact information for any new references): _____

Version Author (last name, first name): _____

TERRESTRIAL NATURAL COMMUNITY REPORTING FORM

Complete relevant fields for which you have information

HERITAGE BIOLOGIST AND LAB USE ONLY

EO Report Status (check one): New _____ Update with mapping _____ Update without mapping _____
EO_ID: _____ EONUM: _____ ELCODE: _____ GELCODE: _____ Gelcode Conf. Level: 1 2 3
Heritage mapper: _____ Heritage map QC'er: _____ Heritage Biologist: _____
Heritage mapping date: _____ Heritage map QC date: _____ Heritage Biologist Date: _____

ELEMENT IDENTIFICATION and LOCATION

Terrestrial Natural Community Name/Type: _____

Survey Site Name: _____

Directions to the survey site: _____

County(ies): _____

USGS Quadrangle name(s): _____

Township: _____ Range: _____ Section: _____ Quarter Sections: _____

GPS should be in NAD83, zone 15. If not, indicate: NAD _____ Zone _____

UTM: Easting (X) _____ OR: Latitude (N) _____

Northing (Y) _____ Longitude (W) _____

Explanation of possible GPS unit inaccuracy: _____

MAPPING

Attach a map with the natural comm. location clearly marked in hard copy, digital, or shapefile format. No county maps, please.

Person who marked the map (last name, first name): _____

Locational Uncertainty (buffer radius): The mapped location is within _____ Meters OR _____ Feet OR _____ Miles

ELEMENT OCCURRENCE SURVEY INFORMATION

Survey Date (yyyy-mm-dd): _____ Observer(s) (last name, first name): _____

Plant species composition (5-10 dominant or characteristic plant taxa by scientific name): _____

General Habitat Description (describe substrate, topography and vegetation structure including acreage. E.g., "Glade system with three openings of 1, 5, and 10 acres." If part of a natural community complex, describe what percentage of the mapped polygon is made up of this EO type. E.g., "30% of a complex with wet-prairie and freshwater marsh."): _____

Community Significance (circle one): Significant Exceptional Notable

EO Rank: _____ Origin Subrank: _____ EO Rank Comments (describe ecological integrity; i.e., resemblance to presettlement condition, lack of exotic species, presence of conservative species, floristic quality index values, etc.): _____

CONSERVATION INFORMATION

Managed Area Name(s): _____

Is EO completely within boundaries of Managed Area(s)?: Yes OR Partially

Owner(s): _____

Owner Comments (include address/phone number and other relevant comments): _____

Management Comments (needs for management, protection, monitoring, and/or research): _____

General Comments (include any associated species and/or any other relevant information): _____

Form completed by (last name, first name): _____ Date: _____

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Reference(s) (include contact information for any new references): _____

Version Author (last name, first name): _____

AQUATIC NATURAL COMMUNITY REPORTING FORM

Complete relevant fields for which you have information

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EO Report Status (check one): New _____ Update with mapping _____ Update without mapping _____
EO_ID: _____ EONUM: _____ ELCODE: _____
Heritage mapper: _____ Heritage map QC'er: _____ Heritage Biologist: _____
Heritage mapping date: _____ Heritage map QC date: _____ Heritage Biologist Date: _____

ELEMENT IDENTIFICATION and LOCATION

Aquatic Natural Community Name/Type: _____
Survey Site Name: _____
Directions to the survey site: _____

County(ies): _____
USGS Quadrangle name(s): _____
Township: _____ Range: _____ Section: _____ Quarter Sections: _____
GPS should be in NAD83, zone 15. If not, indicate: NAD _____ Zone _____
UTM: Easting (X) _____ OR: Latitude (N) _____
Northing (Y) _____ Longitude (W) _____
Explanation of possible GPS unit inaccuracy: _____

MAPPING

Attach a map with the natural comm. location clearly marked in hard copy, digital, or shapefile format. No county maps, please.
Person who marked the map (last name, first name): _____

ELEMENT OCCURRENCE SURVEY INFORMATION

Survey Date (yyyy-mm-dd): _____ Observer(s) (last name, first name): _____
Aquatic assemblage (5-10 dominant or characteristic fish and/or aquatic invertebrate taxa by scientific name): _____

General Habitat Description (describe stream order, miles to headwaters, riparian corridor condition, composition of riffles and pools, and other physical factors): _____

Community Significance (circle one): Significant Exceptional Notable

EO Rank: _____ Origin Subrank: _____ EO Rank Comments (describe ecological integrity; i.e., resemblance to presettlement condition, lack of exotic species, presence of conservative species, biologic integrity index values, etc.): _____

CONSERVATION INFORMATION

Managed Area Name(s): _____
Is EO completely within boundaries of Managed Area(s)?: Yes OR Partially
Owner(s): _____
Owner Comments (include address/phone number and other relevant comments): _____

Management Comments (needs for management, protection, monitoring, and/or research; include RAM monitoring site number): _____

General Comments (include any associated species and/or any other relevant information): _____

Form completed by (last name, first name): _____ Date: _____

Thank you for your assistance in helping maintain the Missouri Natural Heritage Program.

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P.O. Box 180, Jefferson City, Missouri 65102. (573) 522-4115

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